

## SEQUENCE LISTING

<110> Retter, Marc W.  
Fanger, Gary R.

<120> COMPOSITIONS AND METHODS FOR THE THERAPY AND  
DIAGNOSIS OF OVARIAN CANCER

<130> 210121.462C6

<140> US

<141> 2001-04-04

<160> 461

<170> FastSEQ for Windows Version 3.0

<210> 1

<211> 461

<212> DNA

<213> Homo sapien

<400> 1

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<211> 540

<212> DNA

<213> Homo sapien

<400> 2

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gtttgtacta	aaaccaaca	taatttctta	ctatgtgagt	gaggatctga	aggataagaa	480
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<212> DNA

<213> Homo sapien

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catgatctca gctcgtgca acctccgct cccacgttca agtgattctc ctgcctcagc 180
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<210> 4
<211> 531
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(531)
<223> n = A,T,C or G

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gataagctta ttttgatatt ccttaagctc ttgttgaaat tgtttgattt ccataatttc 360
caggtcacac tgtttatcca aaacttctag ctcatctttt tgtgtttgct ttctgatttg 420
gacatcttgt agtctgcctg agatctgctg atgntttcca ttcactgctt ccagttccag 480
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<210> 5
<211> 531
<212> DNA
<213> Homo sapien

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aacagtttga taacctcaaa ccttcaggag gttacataac aggtgatcaa gcccgactt 180
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tgaacaagga tgggaagatg gaccagcaag agttctctat agctatgaaa ctcatcaagt 300
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atcagccatt gcctccagtt gcacctatag caacaccctt gtcttctgct acttcaggga 480
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<210> 6
<211> 531
<212> DNA
<213> Homo sapien

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<400> 6
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tatctaaaat ctcaattgta ggagaaacca caggcaccag agctgccact ggtgctggca 180
ccagctccac caaggccagc gaagagccca aatgtgagag tggcggtcag gctggcacca 240
gcactgaagc caccactggg gctggcactg gcactggcac tgttattggt actggtactg 300
gcaccagtgc tggcactgcc actctcttgg gctttggctt tagcttctgc tcccgcctgg 360
atccgggctt tggcccaggg tccgatatca gtttcgtccc agttgcaggg cccggcagca 420

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ttctccgagc cgagcccaat gccattcga gctctaattc cgccoctagc cttggcttca 480
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<210> 7
<211> 531
<212> DNA
<213> Homo sapien

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<400> 7
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gcccgcaggg cttcaagggt tcccatagcc ttttgggcc gcagggcac aaggactcgg 180
ttggctgctt gggcccgag agccttgctc tccctgagat cacctaaagc ccgtaggggc 240
aaggctcgcc gtagagctgc caagctccag tcatcccaag agcctgaagc accaccacct 300
cgggatgtgg cctttttgca agggagggca aatgatttgg tgaagtacct tttggctaaa 360
gaccagacga agattcccat caagcgctcg gacatgctga aggacatcat caaagaatac 420
actgatgtgt accccgaaat cattgaacga gcaggctatt ccttgagaa ggtatttggg 480
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<210> 8
<211> 531
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(531)
<223> n = A,T,C or G

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<400> 8
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caatcaggaa gactttttcc ttcttcaaga agtgaagggt ttccagagta tagctacact 180
attgcttgcc tgagggtgac tacaaaattg cttgctaaaa ggtaggatg ggtaaagaat 240
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ataagaacaa caggaccttg tcataaattc tggataagag aaatagtctc tgggtgtttg 480
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<210> 9
<211> 531
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(531)
<223> n = A,T,C or G

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<400> 9
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tgtgcagtga atctaagaaa aaaattgggg ctgtatttgt atgttccttt ttttcatttc 300
atgttctgag ttacctattt ttattgcatt ttacaaaagc atccttccat gaaggaccgg 360

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aagttaaaaa	caaagcaggt	cctttatcac	agcactgtcg	tagaacacag	ttcagagtta	420
tccaccaag	gagccagga	gctgggctaa	accaaagaat	tttgcttttg	gttaatcatc	480
aggtacttga	gttgggaattg	ttttaatccc	atcattacca	ggctggangt	g	531

<210> 10  
 <211> 861  
 <212> DNA  
 <213> Homo sapien

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atcagaaaag	gtgactaata	aaggtaggag	aagaatatgg	ctgcacaaat	accagaatct	240
gatcagataa	aacagtttaa	ggaatttctg	gggacctaca	ataaacttac	agagacctgc	300
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tcagaacatt	gcttacagaa	atatttaaaa	atgacacaaa	gaatatccat	gagatttcag	420
gaatatcata	ttcagcagaa	tgaagccctg	gcagccaaaag	caggactcct	tgccaacca	480
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<210> 11  
 <211> 541  
 <212> DNA  
 <213> Homo sapien

<400> 11						
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atgaagctag	caagtgatga	tatgataaaa	taaacgtgga	ggaaataaaa	acacaagact	180
tggcataaga	tatatccact	tttgatatta	aacttgtgaa	gcatattott	cgacaaattg	240
tgaagcggtt	cctgatcttg	cttgttctcc	atttcaaata	aggaggcata	tcacatccca	300
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caaaacgaac	aaagtgtcat	gtctaattct	agcctctgaa	ataaaccttg	aacatctcct	420
acaaggcacc	gtgatttttg	taattctaac	ctgaagaaat	gtgatgactt	ttgtggacat	480
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a						541

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 <211> 541  
 <212> DNA  
 <213> Homo sapien

<400> 12						
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<210> 13  
<211> 441  
<212> DNA  
<213> Homo sapien

<400> 13  
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ggagggggag ggcgtcgggg ggggtggggg aggcgttccg gtccccaaga gaccgcgga 180  
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ttgtcatgta gccaagactg gagaaacaat gattcagtgg tcccaattta aaggctattt 360  
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tcctcccaac cctaattgtc a 441

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<211> 131  
<212> DNA  
<213> Homo sapien  
  
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<221> misc\_feature  
<222> (1)..(131)  
<223> n = A,T,C or G

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tgccngtgcc g 131

<210> 15  
<211> 692  
<212> DNA  
<213> Homo sapien

<400> 15  
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<210> 16  
<211> 728  
<212> DNA  
<213> Homo sapien

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tgatgggtttc ataaggcttt tccccctttt gtcagcact tctccttctt gccgccatgt      180
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ccggccatgc tgaactgtga gtcaattaaa cctctttcct ttataaatta tccagttttg      300
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tccaaagg                                     728

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<210> 17
<211> 531
<212> DNA
<213> Homo sapien

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<220>
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<222> (1)...(531)
<223> n = A,T,C or G

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aaaagcactt tcagaaggag gaacaggaga gacaagagcg aagaaagcgg ctggaggaga      360
taatgaagag gactcggaat tcagaagccg ccgaaaccaa gaagcaggat gcaaaggaga      420
ccgcagctaa caattccggc ccagaccctt gtgaaagctg tagagactcg gccctctggg      480
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<210> 18
<211> 1041
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(1041)
<223> n = A,T,C or G

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<400> 18
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cagcagggcc tcatcacact gggctggatt catactcacc ccacacagac cgcgtttctc      180
tccagtgtcg acctacacac tctactgtct taccagatga tgttgccaga gtcagtagcc      240
attgtttgct cccccaagtt ccagaaact ggattcttta aactaactga ccatggacta      300
gaggagattt cttctgtcg ccagaaagga ttctatccac acagcaagga tccacctctg      360
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tgagcgtttg agtccaacac cttccaagaa caacaaaacc atatcagtgt actgtagccc      480
cttaatttaa gctttctaga aagcttttga agtttttgta gatagtagaa aggggggcat      540
cacntgagaa agagctgatt ttgtatttca ggtttgaaaa gaaataactg aacatatttt      600

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ttaggcaagt	cagaaagaga	acatggtcac	ccaaaagcaa	ctgtaactca	gaaattaagt	660
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ccttccttct	ggattcacca	attgttaaca	tttttttcct	ctcagctatc	cttctaattt	780
ctctctaatt	tcaatttggt	tatatttacc	tctgggctca	ataagggcat	ctgtgcagaa	840
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cctctacaat	aaagtaacaa	t				1041

&lt;210&gt; 19

&lt;211&gt; 1043

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 19

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cagcagggcc	tcatcacact	gggttggtt	catactcacc	ccacacagac	cgcgtttctc	180
tccagtgtcg	acctacacac	tactgtctct	taccagatga	tgttgccaga	gtcagtagcc	240
attgtttgct	cccccaagtt	ccagaaaact	ggattcttta	aactaactga	ccatggacta	300
gaggagattt	cttcctgtcg	ccagaaagga	tttcatccac	acagcaagga	tccacctctg	360
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ttaggcaagt	cagaaagaga	acatggtcac	ccaaaagcaa	ctgtaactca	gaaattaagt	660
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ctctctaatt	tcaatttggt	tatatttacc	tctgggctca	ataagggcat	ctgtgcagaa	840
atttggaagc	catttagaaa	atcttttgga	ttttcctgtg	gtttatggca	atatgaatgg	900
agcttattac	tggggtgagg	gacagcttac	tccatttgac	cagattgttt	ggctaacaca	960
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cctctacaat	aaagtaacaa	tta				1043

&lt;210&gt; 20

&lt;211&gt; 448

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 20

ggacgacaag	gccatggcga	tatcggatcc	gaattcaagc	ctttggaatt	aaataaacct	60
ggaacaggga	aggtgaaagt	tggagtgaga	tgtcttccat	atctatacct	ttgtgcacag	120
ttgaatggga	actgtttggg	tttagggcat	ccttagagttg	attgatggaa	aaagcagaca	180
ggaactgggt	ggaggtcaag	tggggaagtt	ggtgaatgtg	gaataactta	cctttgtgct	240
ccacttaaac	cagatgtgtt	gcagctttcc	tgacatgcaa	ggatctactt	taattccaca	300
ctctcattaa	taaattgaat	aaaagggaat	gttttggcac	ctgatataat	ctgccaggct	360
atgtgacagt	aggaaggaa	ggtttccctc	aacaagccca	atgcactggt	ctgactttat	420
aaattattta	ataaaatgaa	ctattatc				448

&lt;210&gt; 21

&lt;211&gt; 411

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 21

ggcagtgaca	ttcaccatca	tgggaaccac	cttccttttt	cttcaggatt	ctctgtagt	60
gaagagagca	cccagtgttg	ggctgaaaac	atctgaaagt	agggagaaga	acctaaaata	120

```

atcagtatct cagagggctc taaggtgcca agaagtctca ctggacattt aagtgccaac 180
aaaggcatac ttccggaatc gccaaagtaa aactttctaa cttctgtctc tctcagagac 240
aagtgagact caagagtcta ctgctttagt ggcaactaca gaaaactggt gttacccaga 300
aaaacaggag caattagaaa tggttccaat atttcaaagc tccgcaaaca ggatgtgctt 360
tcctttgccc atttaggggt tcttctcttt cctttctctt tattaaccac t 411

```

<210> 22

<211> 896

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(896)

<223> n = A,T,C or G

<400> 22

```

tgcgctgaaa acaacggcct cctttactgt taaaatgcag ccacagggtgc ttagccgtgg 60
gcatctcaac caccagcctc tgtggggggc aggtggggtg cctgtggggc ctctggggccc 120
acgtccagcc tctgtcctct gccttcctgt cttcgacagt gttcccggca tccctggtea 180
cttggtactt ggcgtggggc tctgtgtctg ctccagcagc tctccagggn ggtcggcccg 240
cttcaccgca gccatcatgt gtgtccggag gctgctcagc gcctcctcct tctcgcgag 300
ggctgtcttc accctccggn gcacctcctc cagctccagc tgctggcggg cctgcagcgt 360
ggccagctcg gccttgacct gccgcgtctc ctctcarag gctgccagcc ggtcctcgaa 420
ctcctggcgg atcacctggg ccagggttgc gcgctcgcta gaaagctgct cgttcaccgc 480
ctgcgcattc tccagcggcc gctccttctg ccgcacaagg ccctgcagac gcagattctc 540
gccctcggcc tccccaagct ggcccttcag ctccgagcac cgctcctgaa gcttccgctc 600
cgactgctcc agctcggaga gctcggcctc gtacttgctc cgtaagcgct tgatgcggct 660
ctcggcagcc ttctcactct cctccttggc cagcgccatg tcggcctcca gccggtgaat 720
gaccagctca atctccttgc cccggccttt ccggatttct tccctcagct cctgttcccg 780
gttcagcagc cagcctcct ccttctgggt gcggcgggcc tcccacgcct gcctctccag 840
ctccagctgc tgcttcaggg tattcagctc catctggcgg gcctgcagcg tggcca 896

```

<210> 23

<211> 111

<212> DNA

<213> Homo sapien

<400> 23

```

caacttatta cttgaaatta taatatagcc tgtccgtttg ctgtttccag gctgtgatat 60
attttcctag tggtttgact ttaaaaataa ataaggttta attttctccc c 111

```

<210> 24

<211> 531

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(531)

<223> n = A,T,C or G

<400> 24

```

tgcaagtcac gggagtttat ttatttaatt tttttcccca gatggagact ctgtcgccca 60
ggctggagtg caatggtgtg atcttggtct actgcaacct ccacctcctg ggttcaagcg 120
attctcctgc cacagcctcc cgagtagctg ggattacagg tgcccgccac cacaccagc 180
taatttttat atttttagta aagacagggt ttcccatgtg tggccaggct ggtcttgaac 240

```



```

ttctgacctc aggtgatcca cctgcctcgg cctcccaaag tgttgggatt acaggcgtga 300
gctaccnctg cctggccagc cactggagtt taaaggacag tcatggttgg tccagcctaa 360
ggcggcattt tccccatca gaaagcccg cgcctcgtga cctcaaaaata gggcacctgt 420
aaagtcagtc agtgaagtct ctgctctaac tggccaccgc gggccattgg cntctgacac 480
agccttgcca ggangcctgc atctgcaaaa gaaaagtcca cttcctttcc g 531

```

```

<210> 25
<211> 471
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(471)
<223> n = A,T,C or G

```

```

<400> 25
cagagaatct kagaaagatg tcgcgttttc ttttaatgaa tgagagaagc ccatttgtat 60
ccctgaatca ttgagaaaag gcggcgggtg cgacagcggc gacctaggga tcgatctgga 120
gggacttggg gagcgtgcag agacctctag ctgcagcgcg agggacctcc cgccgggatg 180
cctggggagc agatggacc tactggaagt cagttggatt cagatttctc tcagcaagat 240
actccttgcc tgataattga agattctcag cctgaaaagc aggttctaga ggatgattct 300
ggttctcact tcagtatgct atctcgacac cttcctaata tccagacgca caaagaaaat 360
cctgtgttgg atgttgngtc caatccttga acaaacagct ggagaagaac gaggagaccg 420
gtaatatgtg gttcaatgaa catttgaaag aaaaccaggt tgcagaccct g 471

```

```

<210> 26
<211> 541
<212> DNA
<213> Homo sapien

```

```

<400> 26
gactgtcctg aacaagggac ctctgaccag agagctgcag gagatgcaga gtggtggcag 60
gagtggaagc caaagaacac ccaccttcct cccttgaagg agtagagcaa ccatcagaag 120
atactgtttt attgctctgg tcaaacaagt cttcctgagt tgacaaaacc tcaggctctg 180
gtgacttctg aatctgcagt ccactttcca taagtctctg tgcagacaac tgttcttttg 240
cttccatagc agcaacagat gctttggggc taaaaggcat gtcctctgac cttgcagggtg 300
gtggattttg ctcttttaca acatgtacat ccttactggg ctgtgctgtc acagggatgt 360
ccttgctgga ctgttctgct atggggatat cttcgttggg ctgttcttca tgcttaattg 420
cagtattagc atccacatca gacagcctgg tataaccaga gttggtggtt actgattgta 480
gctgctcttt gtccacttca tatggcacia gtattttcct caacatcctg gctctgggaa 540
g 541

```

```

<210> 27
<211> 461
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(461)
<223> n = A,T,C or G

```

```

<400> 27
gaaatgtata tttaatcatt ctcttgaacg atcagaactc traaatcagt tttctataac 60
arcattgtaat acagtcaccg tggctccaag gtccaggaag gcagtgggta acacatgaag 120
agtgtgggaa gggggctgga aacaaagtat tcttttcctt caaagcttca ttcctcaagg 180

```

```

cctcaattca agcagtcatt gtccttgctt tcaaaagtct gtgtgtgctt catggaagg 240
atatgtttgt tgccttaatt tqaattgttq ccaqqaagg tctqagatc taaattcaga 300
gtaagaaaac ctgagctaga actcaggcat ttctcttaca gaacttggct tgcagggtag 360
aatgaangga aagaaactta gaagctcaac aagctgaaga taatcccatc aggcatttcc 420
cataggcctt gcaactctgt tcaactgagag atgttatcct g 461

```

```

<210> 28
<211> 541
<212> DNA
<213> Homo sapien

```

```

<400> 28
agtctggagt gagcaaacaa gagcaagaaa caarragaag ccaaaagcag aaggctccaa 60
tatgaacaag ataaatctat cttcaaagac atattagaag ttgggaaaat aattcatgtg 120
aactagacaa gtgtgttaag agtgataagt aaaatgcacg tggagacaag tgcattccca 180
gatctcaggg acctccccct gcctgtcacc tggggagtga gaggacagga tagtgcatgt 240
tctttgtctc tgaattttta gttatatgtg ctgtaatgtt gctctgagga agcccctgga 300
aagtctatcc caacatatcc acatcttata ttccacaaat taagctgtag tatgtaccct 360
aagacgctgc taattgactg ccacttcgca actcaggggc ggctgcattt tagtaatggg 420
tcaaatgatt cactttttat gatgcttccc aaggtgcctt ggcttctctt cccaactgac 480
aaatgcccac gttgagaaaa atgatcataa ttttagcata aaccgagcaa tcggcgaccc 540
c 541

```

```

<210> 29
<211> 411
<212> DNA
<213> Homo sapien

```

```

<400> 29
tagctgtctt cctcactctt atggcaatga ccccatatct taatggatta agataatgaa 60
agtgtatttc ttacactctg tatctatcac cagaagctga ggtgatagcc cgcttgtcat 120
tgtcatccat attctgggac tcaggcggga actttctgga atattgccag ggagcatggc 180
agagggggac agtgcattct gggggaatgc acattggctc agcctgggta atgagtata 240
tacattacct ctgttcacaa ctcatgccc agcaccagtc acaaggcccc accaaatacc 300
agagcccaag aaatgtagtc ctgttgatat ggttttgctg tgteccaacc caaatctcat 360
cttgaattgt aagctcccat aattcccatg tgttgtggga gggacctggt g 411

```

```

<210> 30
<211> 511
<212> DNA
<213> Homo sapien

```

```

<400> 30
atcatgagga tgttaccaa .gggatggtac taaaccattt gtattcgtct gttttcacac 60
tgctttgaag atactacctg agactgggta atttataaac aaaagagatt taattgactc 120
acagttctgc atggctgaag aggcctcagg aaacttacag tcatggtgga aggcaaagga 180
ggagcaaggc atgtcttaca tgtcagtagg agagagagcg agagcaggag aacctgccac 240
ttataaacca ttcagatctc ataactccct atcatgagaa aaacatggag gaaaccaccc 300
tcatgatcca atcacctccc gccaggctccc tccctcgaca cgtggggatt ataattcagg 360
attagaggga cacagagaca aaccatatca tcattcatga gaaatccacc ctcatagtcc 420
aatcagctcc taccaggccc cactccaac actggggatt gcaattcaac atgagatttg 480
gatggggaca cagattcaaa ccatatcata c 511

```

```

<210> 31
<211> 827
<212> DNA
<213> Homo sapien

```

tggggcgga aagaagccaag gcccaaggagc tggtgcggca gctgcagctg gaggccgagg 60

```

agcagaggaa gcagaagaag cggcagagtg tgtcgggcct gcacagatac cttcacttgc 120
tggatggaaa tgaaaattac cgggtgtcttg tggatgcaga cgggtgatgtg atttccttcc 180
caccaataac caacagttag aagacaaaag ttaagaaaac gacttctgat ttgtttttgg 240
aagtaacaag tgccaccagt ctgcagattt gcaaggatgt catggatgcc ctcattctga 300
aaatggcaag aaatgaaaaa gtacacttta gaaaataaag aggaaggatc actctcagat 360
actgaagccg atgcagtctc tggacaactt ccagatccca caacgaatcc cagtgtctga 420
aaggacgggc ccttccttct ggtggtggaa cangtcccgg tgggtgatct tggaanggaa 480
cctgaangtg gtgtaccccg tccaaggccg accttgcca c 521

```

```

<210> 35
<211> 161
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)..(161)
<223> n = A,T,C or G

```

120  
 180  
 240  
 300  
 360  
 420  
 480  
 521

```

<400> 35
tcccgcgctc gcagggcncg tgccacctgc cygtccgccc gctcgctcgc tcgcccgcgc 60
cgccgcgctg ccgaccgyca gcatgctgcc gagagtgggc tgcccgcgcg tgccgctgcc 120
gccgcgcgcg ctgctgcgcg tgetgcgcgt gctgctgctg c 161

```

```

<210> 36
<211> 341
<212> DNA
<213> Homo sapien

```

```

<400> 36
ggcgggtagg catggaactg agaagaacga agaagctttc agactacgtg gggaagaatg 60
aaaaaaccaa aattatcgcc aagattcagc aaaggggaca gggagctcca gcccagagagc 120
ctattattag cagtgaggag cagaagcagc tgatgctgta ctatcacaga agacaagagg 180
agctcaagag attggaagaa aatgatgatg atgcctatct aaactcacca tgggcgggata 240
aactgctttt gaaaagacat tttcatggag tgaaagacat aaagtggaga ccaagatgaa 300
gttcaccagc tgatgacact tccaaagaga ttagctcacc t 341

```

```

<210> 37
<211> 521
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)..(521)
<223> n = A,T,C or G

```

```

<400> 37
tctgaagggt aaatgtttca tctaaatagc gataatgrta aacacctata gcatagagtt 60
gtttgagatt aaatgagata atacatgtaa aattatgtgc ctggcataca gcaagattgt 120
tggtgtgtgt gatgatgatg atgatgatga taatatTTTT ctatcccagc tgcacaactg 180
cttgaacctt ttagataatc aatacatgtt tcttgaactg agatcaattt ccccatgttg 240
tctgactgat gaagccctac attttcttct agaggagatg acatttgagc aagatcttaa 300
agaaaatcag atgccttcac ctgacctctg cttggtgatc ccatggcact ttgtacatct 360
ctccattagc tctcatctca ccagcccatc attattgtat gtgctgcctt ctgaagcttg 420
cagctggcta ccatcmggtg gaataaaaaa catcctttca taaaatagtg accctccttt 480
tttatttgca tttcccaaag ccaagcaccg tggganggta g 521

```

<210> 38  
 <211> 461  
 <212> DNA  
 <213> Homo sapien

<400> 38  
 tatgaagaag ggaaaagaag ataatttgtg aaagaaatgg gtccagttac tagtctttga 60  
 aaagggtcag tctgtagctc ttcttaatga gaataggcag ctttcagttg ctcaggggtca 120  
 gatttcctta gtggtgtatc taatcacagg aaacatctgt gggtccctcc agtctctttc 180  
 tgggggactt gggcccactt ctcatttcat ttaattagag gaaatagaac tcaaagtaca 240  
 atttactggt gtttaacaat gccacaaaga catggttggg agctatttct tgatttgtgt 300  
 aaaaatgctgt ttttgtgtgc tcataatggt tccaaaaatt ggggtgctggc caaagagaga 360  
 tactgttaca gaagccagca agaagacctc tgttcattca ccccccggt gatatcagga 420  
 attgactcca gtgtgtgcaa atccagtttg gcctatcttc t 461

<210> 39  
 <211> 769  
 <212> DNA  
 <213> Homo sapien

<400> 39  
 tgagggactg attggtttgc tctctgctat tcaattcccc aagcccactt gttcctgcag 60  
 cgtcctcctt ctcattccct ttagttgtac cctctctttc atctgagacc tttccttctt 120  
 gatgtgcctt tttcttcttc ttgctttttc tgatgttctg ctcagcatgt tctgggtgct 180  
 tctcatctgc atcattcctt tcagatgctg tagcttcttc ctcctctttc tgcctccttt 240  
 tctttttctt ttttttgggg ggcttgctct ctgactgcag ttgagggggc ccagggtcct 300  
 ggcttttgag acgagccagg aaggcctgct cctgggcctc taggcgagca agcttggcct 360  
 tcattgtgat cccaagacgg gcagccttgt gtgctgttcg cccctcacag gcttggagca 420  
 gcatctcatc agtcagaatc tttggggact tggaccctcg gttgtcgtca tcactgcagc 480  
 tctccaagtc tttgtttggc ttctctccac ctgaagtcaa tgtagccatc ttcacaaact 540  
 tctgatacag caagttgggc ttgggatgat tataacgggt ggtctcctta gaaaggctcc 600  
 ttatctgtac tccatcctgc ccagtttcca ctaccaagtt ggccgcagtc ttgttgaaga 660  
 gctcattcca ccagtgggtt gtgaactcct tggcagggtc atgtcctacc ccatgagtgt 720  
 cttgcttcag ygtcaccctg agagcctgag tgataccatt ctccttccg 769

<210> 40  
 <211> 292  
 <212> DNA  
 <213> Homo sapien

<400> 40  
 gacaacatga aataaatcct agaggacaaa attaaactca atagagtgtg gtctagttaa 60  
 aaactcgaaa aatgagcaag tctggtggga gtggaggaag ggctatacta taaatccaag 120  
 tgggcctcct gatcttaaca agccatgctc attatacaca tctctgaact ggacatacca 180  
 cctttacgca ggaaacaggg cttggaactt ctaagggaaa ttaacatgca ccaccacat 240  
 ctaacctacc tgccgggtag gtaccatccc tgcttcgctg aaatcagttg tc 292

<210> 41  
 <211> 406  
 <212> DNA  
 <213> Homo sapien

<400> 41  
 ttggaattaa ataaacctgg aacagggaag gtgaaagttg gagtgagatg tcttccatat 60  
 ctataccttt gtgcacagtt gaatgggaac tgtttgggtt tagggcatct tagagttgat 120  
 tgatggaaaa agcagacagg aactggtggg aggtcaagtg gggaagttgg tgaatgtgga 180

ataacttacc	tttgtgctcc	acttaaacca	gatgtgttgc	agctttcctg	acatgcaagg	240
atctacttta	attccacact	ctcattaata	aattgaataa	aagggaatgt	tttggcactt	300
gatataatct	gccaggctat	gtgacagtag	gaaggaaatg	tttcccctaa	caagcccaat	360
gcactggtct	gactttataa	attatttaat	aaaatgaact	attatc		406

<210> 42  
 <211> 381  
 <212> DNA  
 <213> Homo sapien

<400> 42						
aaactggacc	tgcaacaggg	acatgaattt	actgcarggt	ctgagcaagc	tcagcccctc	60
tacctcaggg	ccccacagcc	atgactacct	ccccaggag	cgaggagggtg	aagggggcct	120
gtctctgcaa	gtggagccag	agtggaggaa	tgagctctga	agacacagca	cccagccttc	180
tcgcaccagc	caagccttaa	ctgcctgcct	gacctgaac	cagaacccag	ctgaactgcc	240
cctccaaggg	acaggaaggc	tgggggaggg	agtttacaac	ccaagccatt	ccaccccctc	300
ccctgctggg	gagaatgaca	catcaagctg	ctaacaattg	ggggaagggg	aaggaagaaa	360
actctgaaaa	caaaatcttg	t				381

<210> 43  
 <211> 451  
 <212> DNA  
 <213> Homo sapien

<400> 43						
catgcgtttc	accactgttg	gccaggctgg	tctcgaactc	ctggcctcaa	gcaatccacc	60
cgctcagcc	tccaaaagtg	ctgggattac	agatgtgagc	catggcacca	tgccaaaagg	120
ctatattcct	ggctctgtgt	ttccgagact	gcttttaatc	ccaacttctc	tacattttaga	180
ttaaaaata	ttttattcat	ggtcaatctg	gaacataatt	actgcattct	aagtttccac	240
tgatgtatat	agaaggctaa	aggcacaatt	tttatcaaat	ctagtagagt	aaccaaaccat	300
aaaaatcatta	attactttca	acttaataac	taattgacat	tcctcaaaaag	agctgttttc	360
aatcctgata	ggttctttat	tttttcaaaa	tatatttgcc	atgggatgct	aatttgcaat	420
aaggcgcata	atgagaatac	cccaaactgg	a			451

<210> 44  
 <211> 521  
 <212> DNA  
 <213> Homo sapien

<400> 44						
gttggacccc	cagggaactg	aaagacactt	cttgcccag	ctgtggcggg	agaagctgat	60
gttccttttt	attatgcttc	tgatccgaa	tttgatgaga	tgtttggtgg	tgtgggagcc	120
agccgtatca	gaaatctttt	tagggaagca	aaggcgaatg	ctccttggtg	tatatttatt	180
gatgaattag	attctgttgg	tgggaagaga	attgaatctc	caatgcatcc	atattcaagg	240
cagaccataa	atcaacttct	tgctgaaatg	gatggtttta	aacccaatga	aggagtatc	300
ataataggag	ccacaaactt	cccagaggca	ttagataatg	ccttaatacc	gtcctggtcg	360
ttttgacatg	caagttacag	ttccaaggcc	agatgtaaaa	ggtcgaacag	aaattttgaa	420
atgggtatctc	aataaaaataa	agtttgatca	atcccgttga	tccagaaatt	atagcctcga	480
ggtagtggtg	gcttttccgg	aagcagagtt	gggagaatct	t		521

<210> 45  
 <211> 585  
 <212> DNA  
 <213> Homo sapien

<400> 45						
gcctacaaca	tccagaaaga	gtctaccctg	cacctgggtg	tscgtctcag	aggtgggatg	60

```

cagatcttcg tgaagaccct gactggtaag accatcactc tcgaagtgga gccgagtgac 120
accatygaga acgtcaaagc aaagatccar gacaaggaa gcrtycctcc tgaccagcag 180
aggttgatct ttgccggaaa gcagctggaa gatggdcgca ccctgtctga ctacaacatc 240
cagaaagagt cyaccctgca cctgggtgctc cgtctcagag gtgggatgca ratcttcgtg 300
aagaccctga ctggtaagac catcacctc gaggtggagc ccagtgcacac catcgagaat 360
gtcaaggcaa agatccaaga taagggaaggc atccctcctg atcagcagag gttgatcttt 420
gctgggaaac agctggaaga tggacgcacc ctgtctgact acaacatcca gaaagagtcc 480
actctgcact tggctctgcg cttgaggggg ggtgtctaag tttcccttt taaggtttcm 540
acaaatttca ttgcactttc ctttcaataa agttgttgca ttccc 585

```

```

<210> 46
<211> 481
<212> DNA
<213> Homo sapien

```

```

<400> 46
gaactgggcc ctgagcccaa gtcatgcctt gtgtccgcat ctgccgtgtc acctctgtkc 60
ctgcccctca cccctccctc ctggtcttct gagccagcac catctccaaa tagcctattc 120
cttcctgcaa atcacacaca catgcggggc acacatacct gctgccctgg agatggggaa 180
gtaggagaga tgaatagagg ccatacatt gtacagaagg aggggcaggt gcagataaaa 240
gcagcagacc cagcggcagc tgaggtgcat ggagcacggt tggggccggc attgggctga 300
gcacctgatg ggctcatct cgtgaatcct cgaggcagcg ccacagcaga ggagttaagt 360
ggcacctggg ccgagcagag caggagactg agggtcagag tggaggctaa gctgccctgg 420
aactcctcaa tcttgctgc cccctagtat gaagccccct tctgcccct acaattcctg 480
a 481

```

```

<210> 47
<211> 461
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(461)
<223> n = A,T,C or G

```

```

<400> 47
atggatctta ctttgccacc caggttggag tgcagtgtcg caatcttggc tactgcagc 60
cttaacctcc caggctcaag ctatcctcct gccaaagcct tccacatagc tgggactaca 120
ggtacacngc caccacaccc agctaaaatt tttgtatttt ttgtagagac gggatctcgc 180
cacgttgccc aggttggtcc catcctgacc tcaagcagat ctgccacct cagcccccca 240
acgtgctagg attacaggcg tgagccaccg caccagcct ttgttttgct ttaaatggaa 300
tcaccagttc cctccgtgt ctcagcagca gctgtgagaa atgctttgca tctgtgacct 360
ttatgaaggg gaacttccat gctgaatgag ggtaggatta catgtcctg tttccggggg 420
gtcaagaaag cctcagactc cagcatgata agcagggtga g 461

```

```

<210> 48
<211> 571
<212> DNA
<213> Homo sapien

```

```

<400> 48
ataggggctt taaggaggga attcaggttc aatgaggtcg taaggccagg gctcttatcc 60
agtaagactg gggtccttag atgagaaaga gacaccgag gtccttctct ctgccgtgtg 120
aggatgcatc aagaaggcgg ccgtctgcaa gcgaaggaga ggccgcacca gaaaccgaca 180
ccttcattct ggacttgcag cctctagaac tgagaaaata actgtctgtt ggttaagcca 240
cccagtttgt agtattctct tatggcttcc taagcagact aacaaacaaa caccctaaat 300

```

taactgatgg	cttcgctgtc	ttctgtaaaa	attgctatga	gagaactttt	cactcactgt	360
tttgagttt	ctccctcagt	ccctggttct	ttctttctac	ataatcccaa	tttcaattta	420
tagttcatgg	cccaggcaga	gtcatttcac	acggcatctc	ctgagctaaa	ccagcacctg	480
ctctgtcac	ttcttgactg	gctgctcatc	atcagccctc	ttgcagagat	ttcatttcct	540
cccgtgccag	gtacttcacg	caccaagctc	a			571

<210> 49  
 <211> 511  
 <212> DNA  
 <213> Homo sapien

<400> 49						
ggataatgaa	gttggtttat	ttagcttgga	caaaaaggca	tattcctcta	ttttcttata	60
caacaaatat	ccccaaaata	aagcaagcat	atatatcttg	aatgtgtaat	aatccagtga	120
taaacaagag	cagtacttta	aaagaaaaaa	aaatatgtat	ttctgtcagg	ttaaaatgag	180
aatcaaaacc	atttactctg	ctaactcatt	attttttgct	ttctttttgg	ttaagagagg	240
caatgcaata	cactgaaaaa	ggtttttatc	ttatctggca	ttggaattag	acatattcaa	300
accccagccc	ccattttcaa	actttaagac	cacaaacaag	taatttactt	ttctgaacat	360
tggttttttc	tggaaaatgg	gaattataaa	atagactttg	cagactctta	tgagattaaa	420
taagataatg	tatgaaattc	tttcttcttt	tttacttctt	tttccttttt	gagatggagt	480
ctcaccctgt	caccagggt	ggagtacagt	g			511

<210> 50  
 <211> 561  
 <212> DNA  
 <213> Homo sapien

<400> 50						
ccactgcact	ccagcctggg	tgacggagtg	agactctgtc	tcaaaaaaac	aaacaaacaa	60
acaaacaaaa	aactgaaaag	gaaatagagt	tcctctttcc	tcatatatga	atatattatt	120
tcaacagatt	gttgatcacc	taccatatgc	ttggtattgt	tctaattgct	ggggatacag	180
caagagggtc	tgcagaactt	catggagcat	gaaagttaat	aaacaaagtt	aatttcaagg	240
ccaggcatgg	ttgctcacac	cttttagtccc	agcacttttg	gaggctgagg	cagggtggatc	300
acttggggcc	aggagttcaa	ggctgcagtg	agccaagatt	gtgccactac	tctccaggct	360
gggcaacaga	gcaagacctt	gtctcagggg	gaacaaaaag	ttaatttcag	attttgttaa	420
gtgctgtaaa	ggaagtaaat	aggttgatat	tcaagagagc	acctgaaggc	caggcgtggg	480
ggctcacgcc	tgtggtctaa	cgctttggga	agcccagagc	ggcggatcac	aaggtcagga	540
gaattttggc	caggcatggt	g				561

<210> 51  
 <211> 451  
 <212> DNA  
 <213> Homo sapien

<400> 51						
agaatccatt	tattgggttt	taaactagtt	acacaactga	aatcagtttg	gcactacttt	60
atacagggat	tacgcctgtg	tatgccgaca	cttaataact	gtaccaggac	cactgctgtg	120
cttaggtctg	tattcagtca	ttcagcatgt	agatactaaa	aatatactgt	agtgttcctt	180
taaggaagac	tgtacagggt	gtgttgcaag	atgacattca	ccaatttggt	aattatttca	240
accagaaga	tacctttcac	tctataaaact	tgtcataggc	aaacatgtgg	tgttagcatt	300
gagagatgca	cacaaaaatg	ttacataaaa	gttcagacat	tctaatagata	agtgaactga	360
aaaaaaaaaa	aacccacat	ctcaattttt	gttaacaagat	aaagaaaata	atttaaaaac	420
acaaaaaatg	gcattcagtg	ggtacaaagc	c			451

<210> 52  
 <211> 682  
 <212> DNA



<213> Homo sapien

<400> 52

caaataattta	atataaatct	ttgaaacaag	ttcagakgaa	ataaaaaatca	aagtttgcaa	60
aaacgtgaag	attaacttaa	ttgtcaaata	ttcctcattg	ccccaaatca	gtattttttt	120
tattttctatg	caaaagtatg	ccttcaaact	gcttaaatga	tatatgatat	gatacacaaa	180
ccagttttca	aatagtaaag	ccagtcattc	tgcaattgta	agaaataggt	aaaagattat	240
aagacacctt	acacacacac	acacacacac	acacacacgt	gtgcaccgcc	aatgacaaaa	300
aacaatttg	cctctcctaa	aataagaaca	tgaagaccct	taattgctgc	caggagggaa	360
cactgtgtca	cccctcccta	caatccaggt	agtttccttt	aatccaatag	caaactctggg	420
catatttgag	aggagtgtat	ctgacagcca	csgttgaaat	cctgtgggga	accattcatg	480
tcccccact	ggtgccctga	aaaaatgcc	ataatttttc	gctcccactt	ctgctgctgt	540
ctcttccaca	tcctcacata	gaccccagac	ccgctggccc	ctggctgggc	atcgctgtgc	600
tggtagagca	agtcattaggt	ctcgtctttg	acgtcacaga	agcgatacac	caaattgcct	660
ggtcgtcat	tgctataacc	ag				682

<210> 53

<211> 311

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(311)

<223> n = A,T,C or G

<400> 53

tttgacttta	gtaggggtct	gaactattta	ttttactttg	ccmgtaatat	ttaraccyta	60
tatatctttc	attatgccat	cttatcttct	aatgbcaagg	gaacagwtgc	taamtggct	120
tctgcattwa	tcacattaaa	aatggctttc	ttggaaaatc	ttcttgatat	gaataaagga	180
tcttttavag	ccatcattta	aagcmgntt	ctctccaaca	cgagtctgct	sasgggggk	240
gagctgtgaa	ctctggctga	aggctttccc	atacacactg	caatgacmtg	gtttctgacc	300
agbgtgagtt	a					311

<210> 54

<211> 561

<212> DNA

<213> Homo sapien

<400> 54

agagaagccc	cataaatgca	atcagtgtgg	gaaggccttc	agtcagagct	caagcctttt	60
cctccatcat	cgggttcata	ctggagagaa	accctatgta	tgtaatgaat	gcggcagagc	120
cttttggttt	aactctcatc	ttactgaaca	cgtaaggatt	cacacaggag	aaaaacccta	180
tgtttgtaat	gagtgcggca	aagcctttcg	tcggagttcc	actcttgttc	agcatcgaag	240
agttcacact	ggggagaagc	cctaccagtg	cgttgaatgt	gggaaagctt	tcagccagag	300
ctcccagctc	accctacatc	agccgagttc	acactggaga	gaagccctat	gactgtgggtg	360
actgtgggaa	ggccttcagc	cggaggtcaa	ccctcattca	gcatcagaaa	gttcacagcg	420
gagagactog	taagtgcaga	aaacatggtc	cagcctttgt	tcatggctcc	agcctcacag	480
cagatggaca	gattcccact	ggagagaagc	acggcagaac	ctttaaccat	ggtgcaaate	540
tcattctgcg	ctggacagtt	c				561

<210> 55

<211> 811

<212> DNA

<213> Homo sapien

<400> 55

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gagacaggggt ctcactttgt caccaggggt ggaatgcagt ggtgcatct tacgtagctc      60
actgcagccc tgcactcctg gactcaaaaca attctcctgc ctcagccctg caagttagctg      120
ggactgtggg tgcattgccac catgcctggc taacttttgt agtttttgt aagatgggg      180
tttgccatgt tgcacatgct ggtcctgaac tctgagctc aaacgatctg ccacctcgg      240
cctcccagaa tggtgggatt acaggggtaa accaccacgc ctggcccat tagggtattc      300
ttagcatcca cttgctcact gagattaatc ataagagatg ataagcactg gaagaaaaaa      360
atttttacta ggctttggat atttttttcc tttttcagct ttatacagag gattggatct      420
ttagttttcc tttaactgat aataaaacat tgaaaggaaa taagtttacc tgagattcac      480
agagataacc ggcattcactc ccttgctcaa ttccagtctt taccacatca attattttca      540
gaggtgcagg ataaaggcct ttagtctgct ttgcacttt ttcttcact tttttgtaaa      600
cctgttgctt gacaaatgga attgacagcg tatgccatga ctattccatt tgtcaggcat      660
acgctgtcaa tttttccacc aatcccttgt ctctctttgg agagatcttc ttatcagcta      720
gtcctttggc aaaagtaatt gcaacttctt ctaggatttc tattgtccgt tccactgggtg      780
gaaccctggg gaccaggact aaaacctcca g                                     811

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<210> 56
<211> 591
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(591)
<223> n = A,T,C or G

```

```

<400> 56
atctcatata tatatttctt cctgacttta tttgcttgct tctgncacgc atttaaaata      60
tcacagagac caaaatagag cggctttctg gtggaacgca tggcagtcac aggacaaaat      120
acaaaactag ggggctctgt cttctcatac atcatacaat tttcaagtat tttttttatg      180
tacaagagc tactctatct gaaaaaaaat taaaaaataa atgagacaag atagtttatg      240
catcctagga agaaagaatg ggaagaaaga acggggcagt tgggtacaga ttctgtgcc      300
ctgttcccag ggaccactac cttcctgcca ctgagttccc ccacagcctc acccatcatg      360
tcacagggca agtgccaggg taggtgggga ccagtggaga caggaaccag caacatactt      420
tggcctggaa gataaggaga aagtctcaga aacacactgg tgggaagcaa tcccacnggc      480
cgtgccccan gagcttccca cctgctgctg gctccctggg tggctttggg aacagcttgg      540
gcaggccctt ttgggtgggg nccaactggg cctttggggc cgtgtggaaa g                                     591

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```

<210> 57
<211> 481
<212> DNA
<213> Homo sapien

```

```

<400> 57
aaacattgag atggaatgat agggtttccc agaatcaggt ccatatttta actaaatgaa      60
aattatgatt tatagccttc tcaaatacct gccatacttg atatctcaac cagagctaata      120
tttacctctt tacaatttaa ataagcaagt aactggatcc acaatttata atacctgtca      180
attttttctg tattaaacct ctatcatagt ttaagcctat tagggtaact aatccttaca      240
aataaacagg tttaaaatca cctcaatagg caactgccct tctgggttttc ttctttgact      300
aaacaatctg aatgcttaag attttccact ttgggtgcta gcagtacaca gtgttacact      360
ctgtattcca gacttcttaa attatagaaa aaggaatgta cactttttgt attctttctg      420
agcagggcgg ggaggcaaca tcatctacca tggtagggac ttgtatgcat ggactacttt      480
a                                     481

```

```

<210> 58
<211> 141
<212> DNA
<213> Homo sapien

```

<400> 58  
 actctgtcgc ccaggctgga gccabtggm gcatctcga ctccctgcaa gctmcgcctc 60  
 acaggwtcat gccattctcc tgcctcagca tctggagtag ctgggactac aggcgccagc 120  
 caccatgcc agctaatttt t 141

<210> 59  
 <211> 191  
 <212> DNA  
 <213> Homo sapien

<400> 59  
 accttaaaga cataggagaa ttataactgg gagagaaagc ttacaaatgt aagggttctg 60  
 acaagacttg ggagtgttc acacctggaa caacatactg gacttcacac tggabagaaa 120  
 ccttacaagt gtaatgagtg tggcaaagcc tttggcaagc agtcaacact tattcaccat 180  
 caggcaattc a 191

<210> 60  
 <211> 480  
 <212> DNA  
 <213> Homo sapien

<400> 60  
 agtcaggatc atgatggctc agtttcccac agcgtatgaat ggaggggccaa atatgtgggc 60  
 tattacatct gaagaacgta ctaagcatga taaacagttt gataacctca aaccttcagg 120  
 aggttacata acagggtgatc aagcccgtac ttttttcta cagtcaggtc tggcggcccc 180  
 ggtttttagct gaaatatggg ccttatcaga tctgaacaag gatgggaaga tggaccagca 240  
 agagtctctc atagctatga aactcatcaa gttaaagttg caggggccaa agctgcctgt 300  
 agtcctccct cctatcatga aacaaccccc tatgttctct ccactaatct ctgctcgttt 360  
 tgggatggga agcatgcca atctgtccat tcatcagcca ttgcctccag ttgcacctat 420  
 agcaacaccc ttgtcttctg ctacttcagg gaccagtatt cctccctaatt gatgcctgct 480

<210> 61  
 <211> 381  
 <212> DNA  
 <213> Homo sapien

<400> 61  
 ctttcgattt ccttcaattt gtcacgtttg attttatgaa gttgttcaag ggctaactgc 60  
 tgtgtattat agctttctct gagttccttc agctgattgt taaatgaatc cattttctgag 120  
 agcttagatg cagtttcttt ttcaagagca tctaattgtt ctttaagtct ttggcataat 180  
 tcttcctttt ctgatgactt tctatgaagt aaactgatcc ctgaatcagg tgtgttactg 240  
 agctgcatgt ttttaattct ttcgtttaat agctgcttct cagggaccag atagataagc 300  
 ttattttgat attccttaag ctcttggtga agttgttoga tttccataat ttccagggtca 360  
 cactggttat cccaaacttc t 381

<210> 62  
 <211> 906  
 <212> DNA  
 <213> Homo sapien

<400> 62  
 gtggaggtga aacggaggca agaaaggggg ctacctcagg agcgagggac aaagggggcg 60  
 tgaggcacct aggcgcggc accccggcga caggaagccg tcctgaaccg ggctaccggg 120  
 taggggaagg gcccgcgtag tcctgcgagg gccccagagc tggagtcggc tccacagccc 180  
 cgggccgtcg gcttctcact tcctggacct cccggcgcc cgggcctgag gactggctcg 240  
 gcggagggag aagaggaaac agacttgagc agtccccgt tgtctcgcaa ctccactgcc 300

gaggaactct	catttcttcc	ctcgtccctt	cacccccac	ctcatgtaga	aaggtgctga	360
agcgtccgga	gggaagaaga	acctgggcta	ccgtccctggc	cttcccmccc	ccttcccggg	420
gcgctttggg	gggcgtggag	ttgggggttg	gggggtgggt	gggggttctt	ttttggagt	480
ctgggggaact	ttttccctt	cttcaggtca	ggggaaagg	aatgccaat	tcagagagac	540
atgggggcaa	gaaggacggg	agtggaggag	cttctggaac	tttgcagccg	tcacggggag	600
gcggcagctc	taacagcaga	gagcgtcacc	gcttggtatc	gaagcacaag	cggcataagt	660
ccaaacactc	caaagacatg	gggttggtga	ccccgaagc	agcatccctg	ggcacagtta	720
tcaaaccttt	ggtggagtat	gatgatatca	gctctgattc	cgacaccttc	tccgatgaca	780
tggccttcaa	actagaccga	agggagaacg	acgaacgtcg	tggatcagat	cggagcgacc	840
gcctgcacaa	acatcgtcac	caccagcaca	ggcgttccc	ggacttacta	aaagctaac	900
agaccg						906

<210> 63  
 <211> 491  
 <212> DNA  
 <213> Homo sapien

gaggaactct  
agcgtccgga  
gcgctttggg  
ctgggggaact  
atgggggcaa  
gcggcagctc  
ccaaacactc  
tcaaaccttt  
tggccttcaa  
gcctgcacaa  
agaccg

<400> 63		
gacatgtttg	cctgcagggg accagagaca atgggattag ccagtgtca ctgttcttta 60	
tgcttccaga	gaggatggg acagctctca ggtcagaatc caggctgaga aggccatgct 120	
ggttgggggc	ccccgaagc acggctccgga tctcctctgg catcagcgta gaccgcgtgc 180	
tcaggcttgg	ggtaccaaac tcatgctctg tactgttttg gccccatgcg gtgagaggaa 240	
aacctagaaa	aagattggtc gtgctaagga atcagctgcc ccctcatcct ccgcatccaa 300	
tgctggtgac	aacatattcc ctctcccagg acacagactc ggtgactcca cactgggctg 360	
agtggcctct	ggaggctcgt ggctaaggc agggctccgt aaggctgatc ggctgaactg 420	
ggtgggggtga	gggtttctga cccttcgctt cccatcccat aaccgctgtc aatgagctca 480	
cactgtggtc	a	491

<210> 64  
 <211> 511  
 <212> DNA  
 <213> Homo sapien

<400> 64		
gatggcatgg	tcgttgctaa tgtgcctgct gggatggagc acttcctcct gtgagcccag 60	
gggaccogcc	tgtccctgga gcttggggca aggagggaag agtgatacca ggaaggtggg 120	
gctgcagcca	ggggccagag tcagttcagg gagtgtcct cggccctcaa agctcctccg 180	
gggactgctc	aggagtgatg gtgccctgga gtttgcccca acttccttggt ccacctgga 240	
aggtgcctgg	ctgctccagg cctctaggct gggctgatgg gtttctccag gacacaagta 300	
tcattaaagc	cacctctctc tcagcttgtc aggcgcgaca tgtgggacag gctgtgctca 360	
caacccccctc	gcctgccttg ccctccatca ggaggagcca gtggaacctt cggaaagctc 420	
ccagcatctc	agcagccctc aaaagtcgtc ctggggcaag ctctggttct cctgactgga 480	
ggtcatctgg	gcttggcctg ctctctctcg c	511

<210> 65  
 <211> 394  
 <212> DNA  
 <213> Homo sapien

<400> 65		
taaaaaagt	taacaaaggt ttatttagac tttcttcatg cccccagatc caggatgtct 60	
atgtaaacg	ttatcttaca aagaaagcac aatatttggg ataaactaag tcagtgactt 120	
gcttaactga	aatagcgtcc atccaaaagt gggtttaagg taaaactacc tgacgatatt 180	
ggcggggatc	ctgcagtttg gactgcttgc cgggtttgtc cagggttccg ggtctgttct 240	
tggcactcat	ggggacaggc atcctgctcg tctgtggggc cccgctggag cccttacgtg 300	
aagctgaagg	tatcgaccst agggggctct agggcagtg gaccttcac cggaaactaac 360	
aagggtcggg	gagaggcctc ttgggctatg tggg	394

<210> 66  
 <211> 359  
 <212> DNA  
 <213> Homo sapien

<400> 66  
 caagcgttcc tttatggatg taaattcaaa cagtcattgct gagccatccc gggctgacag 60  
 tcacgttwaa gacactaggt cgggcgccac agtgccaccc aaggagaaga agaatttgga 120  
 atttttccat gaagatgtac ggaaatctga tgttgaatat gaaaatggcc cccaaatgga 180  
 attccaaaag gttaccacag gggctgtaag acctagtac cctcctaagt gggaaagagg 240  
 aatggagaat agtattttctg atgcatcaag aacatcagaa tataaaactg agatcataat 300  
 gaaggaaaaat tccatatcca atatgagttt actcagagac agtagaaact attcccagg 359

<210> 67  
 <211> 450  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1) ... (450)  
 <223> n = A,T,C or G

<400> 67  
 taggaataac aaatgtttat tcagaaatgg ataagtaata cataatcacc cttcatctct 60  
 taatgcccct tcctctcctt ctgcacagga gacacagatg ggtaacatag aggcattgga 120  
 agtgaggagg gacacaggac tagcccacca ccttctcttc ccggtctccc aagatgactg 180  
 cttatagagt ggaggaggca aacagggtccc ctcaatgtac cagatgggtca cctatagcac 240  
 cagctccaga tggccacgtg gttgcagctg gactcaatga aactctgtga caaccagaag 300  
 atacctgctt tgggatgaga gggaggataa agccatgcag ggaggatatt taccatccct 360  
 accctaagca cagtgcaggc agtgagcccc cggctcccag tacctgaaaa accaaggcct 420  
 actgnetttt ggatgctctc ttgggccacg 450

<210> 68  
 <211> 511  
 <212> DNA  
 <213> Homo sapien

<400> 68  
 aagcctcctg ccctggaaat ctggagcccc ttggagctga gctggacggg gcagggaggg 60  
 gctgagaggc aagaccgtct ccctcctgct gcagctgctt cccagcagc cactgctggg 120  
 cacagcagaa acgccagcag agaaaatggg agccgagagt ccttagccct ggagctgagg 180  
 ctgcctctgg gctgacccgc tggctgtacg tggccagaac tggggttggc atctggcatc 240  
 catttgaggc cagggtggag gaaagggagg ccaacagagg aaaacctatt cctgctgtga 300  
 caacacagcc cttgtcccac gcagcctaag tgcagggagc gtgatgaagt caggcagcca 360  
 gtcggggagg acgaggtaac tcagcagcaa tgtcaccttg tagcctatgc gctcaatggc 420  
 ccggaggggc agcaaccccc cgcacacgtc agccaacagc agtgcctctg caggcaccaa 480  
 gagagcgatg atggacttga gcgccgtgtt c 511

<210> 69  
 <211> 511  
 <212> DNA  
 <213> Homo sapien

<400> 69  
 gtttggcaga agacatgttt aataacattt tcatatttaa aaaatacagc aacaattctc 60

tatctgtcca	ccatcttgcc	ttgcccttcc	tggggctgag	gcagacaaag	gaaaggtaat	120
gagggttagg	ccccaggcg	ggctaagtgc	tattggcctg	ctctgtctca	aagagagcca	180
tagccagctg	ggcacggccc	cctagcccct	ccaggttgct	gaggcggcag	cggtggtaga	240
gttcttcact	gagccgtggg	ctgcagtctc	gcaggagaa	cttctgcacc	agccctggct	300
ctacggcccc	aaagaggtgg	agccctgaga	accggaggaa	aacatccatc	acctccagcc	360
cctccagggc	ttctctctct	tcttgccctg	ccagttcacc	tgccagccgg	gctcggggcg	420
ccaggtagtc	agcgtttag	aagcagccct	ccgcagaagc	ctgccggtca	aatctccccg	480
ctataggagc	ccccgggag	gggtcagcac	c			511

<210> 70  
 <211> 511  
 <212> DNA  
 <213> Homo sapien

<400> 70						
caagttgaac	gtcaggcttg	gcagaggtgg	agtgtagatg	aaaacaaagg	tgtgattatg	60
aagaggatgt	gagtcctttg	ggtgtaggag	agaaaggctg	ttgagcttct	atttcaagat	120
acttttacct	gtgcaaaaag	cacattttcc	acctccttct	catggcattt	gtgtaagggtg	180
agtatgattc	ctattccatc	tgcatttttg	agggtgaagaa	taacgtacaa	gggattcagt	240
gattagcaag	ggacccctca	ctaagtgttg	atggagttag	gacagagctc	agctgtttga	300
atctcagagc	ccaggcagct	ggagctgggt	aggatcctgg	agctggcact	aatgtgaggt	360
gcattccctc	caaccaggc	tcagatccgg	aacctgaccg	tgctgacccc	cgaaggggag	420
gcagggctga	gctggcccg	tgggctccct	gctcctttca	caccacactc	tcgctttgag	480
gtgctgggct	gggactactt	cacagagcag	c			511

<210> 71  
 <211> 511  
 <212> DNA  
 <213> Homo sapien

<400> 71						
tggcctgggc	aggattggga	gagaggtagc	taccgggatg	cagtcctttg	ggatgaagac	60
tatagggtat	gaccccatca	tttccccaga	ggtctcggcc	tcttttggtg	ttcagcagct	120
gcccctggag	gagatctggc	ctctctgtga	tttcatcact	gtgcacactc	ctctcctgcc	180
ctccacgaca	ggcttgctga	atgacaacac	ctttgcccag	tgaagaagg	gggtgcgtgt	240
ggtgaactgt	gcccgtggag	ggatcgttga	cgaaggcgcc	ctgctccggg	ccctgcagtc	300
tggccagtg	gcccgggctg	cactggacgt	gtttacggaa	gagccgccac	gggaccgggc	360
cttggtggac	catgagaatg	tcacagctg	tccccacctg	ggtgccagca	ccaaggaggc	420
tcagagccgc	tgtggggagg	aaattgctgt	tcagttcgtg	gacatggtga	aggggaaatc	480
tctcacgggg	gttgtgaatg	cccaggccct	t			511

<210> 72  
 <211> 2017  
 <212> DNA  
 <213> Homo sapien

<400> 72						
agccagatgg	ctgagagctg	caagaagaag	tcaggatcat	gatggctcag	tttcccacag	60
cgatgaatgg	agggccaaat	atgtgggcta	ttacatctga	agaacgtact	aagcatgata	120
aacagtttga	taacctcaaa	ccttcaggag	gttacataac	aggatgacaa	gcccgtactt	180
ttttcctaca	gtcagggtctg	ccggccccgg	ttttagctga	aatatggggc	ttatcagatc	240
tgaacaagga	tgggaagatg	gaccagcaag	agttctctat	agctatgaaa	ctcatcaagt	300
taaaagttgca	gggcccaacag	ctgcctgtag	tctcctctcc	tatcatgaaa	caacccccta	360
tgttctctcc	actaatctct	gctcgttttg	ggatgggaag	catgcccaat	ctgtccattc	420
atcagccatt	gcctccagtt	gcacctatag	caacaccctt	gtcttctgct	acttcaggga	480
ccagtattcc	tcccctaattg	atgcctgctc	ccctagtgcc	ttctgttagt	acatcctcat	540
taccaaatgg	aactgccagt	ctcatcagc	ctttatccat	tccttattct	tcttcaacat	600

tgccatcatgc	atcatctttac	agcctgatga	tgggaggatt	tgggtggtgct	agtatccaga	660
aggcccagtc	tctgattgat	ttaggatcta	gtagctcaac	ttcctcaact	gcttccctct	720
cagggaactc	acctaagaca	gggacctcag	agtgggcagt	tcctcagcct	tcaagattaa	780
agtatcggca	aaaatttaat	agtctagaca	aaggcatgag	cggatacctc	tcaggttttc	840
aagctagaaa	tgcccttctt	cagtcaaatc	tctctcaaac	tcagctagct	actatttgga	900
ctctggctga	catcgatggt	gacggacagt	tgaagctga	agaatttatt	ctggcgatgc	960
acctcactga	catggccaaa	gctggacagc	cactaccact	gacgttgccct	cccagagcttg	1020
tcctccatc	tttcagaggg	ggaaagcaag	ttgattctgt	taatggaact	ctgccttcat	1080
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agcagcagca	gagggagggt	gaacgcaaag	cccagaaaga	gaaggaagag	tgggagcgga	1260
aacagagaga	actgcaagag	caagaatgga	agaagcagct	ggagttggag	aaacgcttgg	1320
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gagaggcagc	aaaacaggag	cttgagagac	aacgccgttt	agaatgggaa	agactccgtc	1440
ggcaggagct	gctcagtcag	aagaccaggg	aacaagaaga	cattgtcagg	ctgagctcca	1500
gaaagaaaag	tctccacctg	gaactggaag	cagtgaatgg	aaaacatcag	cagatctcag	1560
gcagactaca	agatgtccaa	atcagaaagc	aaacacaaaa	gactgagcta	gaagttttgg	1620
ataaacagtg	tgacctggaa	attatggaaa	tcaacaact	tcaacaagag	cttaaggaat	1680
atcaaaataa	gcttatctat	ctggtccctg	agaagcagct	attaaacgaa	agaattaaaa	1740
acatgcagct	cagtaacaca	cctgattcag	ggatcagttt	acttcataaa	aagtcacag	1800
aaaaggaaga	attatgccaa	agacttaaaag	aacaattaga	tgctcttgaa	aaagaaactg	1860
catctaagct	ctcagaaatg	gattcattta	acaatcagct	gaagggaactc	agagaaagct	1920
ataatacaca	gcagttagcc	cttgaacaac	ttcataaaat	caaacgtgac	aaattgaagg	1980
aaatcgaaag	aaaaagatta	gagcaaaaaa	aaaaaaa			2017

<210> 73  
 <211> 414  
 <212> DNA  
 <213> Homo sapien

<400> 73						
atggcagtg	cattcaccat	catgggaacc	accttccctt	ttcttcagga	ttctctgtag	60
tggaagagag	cacccagtg	tgggctgaaa	acatctgaaa	gtagggagaa	gaacctaaaa	120
taatcagtat	ctcagagggc	tctaaggtgc	caagaagtct	cactggacat	ttaagtcca	180
acaaaggcat	actttcggaa	tcgccaagtc	aaaactttct	aacttctgtc	tctctcagag	240
acaaagtgaga	ctcaagagtc	tactgcttta	gtggcaacta	cagaaaactg	gtgttaccca	300
gaaaaacagg	agcaattaga	aatggttcca	atattttcaa	gctccgcaaa	caggatgtgc	360
tttcctttgc	ccatttaggg	tttcttctct	ttcctttctc	tttattaaac	acta	414

<210> 74  
 <211> 1567  
 <212> DNA  
 <213> Homo sapien

<400> 74						
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aggctccaat	atgaacaaga	taaatctatc	ttcaaagaca	tattagaagt	tgggaaaata	120
attcatgtga	actagacaag	tgtgttaaga	gtgataagta	aaatgcacgt	ggagacaagt	180
gcatccccag	atctcaggga	cctccccctg	cctgtcacct	ggggagtgag	aggacaggat	240
agtgcagtgt	ctttgtctct	gaatttttag	ttatatgtgc	tgtaatgttg	ctctgaggaa	300
gcccttgga	agtctatccc	aacatatcca	catcttatat	tccacaaatt	aagctgtagt	360
atgtacccta	agacgtgct	aattgactgc	cacttcgcaa	ctcaggggag	gctgcatttt	420
agtaatgggt	caaatgattc	actttttatg	atgcttccaa	aggtgccttg	gcttctcttc	480
ccaactgaca	aatgccaaag	ttgagaaaaa	tgatcataat	tttagcataa	acagagcagt	540
cggcgacacc	gattttataa	ataaactgag	caccttcttt	ttaaacaac	aaatgcgggt	600
ttattttcca	gatgatgttc	atccgtgaat	gggtccaggga	aggaccttct	accttgacta	660
tatggcatta	tgcatcacaca	agctctgagg	cttctccttt	ccatcctgcg	tggacagcta	720

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agacctcagt ttccaatagc atctagagca gtgggactca gctggggtga tttcgcccc 780
catctocggg ggaatgtctg aagacaattt tgttacctca atgaggaggt ggaggaggat 840
acagtgcctac taccaactag tggataaagg ccagggatgc tgctcaacct cctaccatgt 900
acaggacgtc tccccattac aactacccaa tccgaagtgt caactgtgtc aggactaaga 960
aaccctgggt ttgagtagaa aagggcctgg aaagagggga gccacaacat ctgtctgctt 1020
cctcacatta gtcattggca aataagcatt ctgtctcttt ggctgctgcc tcagcacaga 1080
gagccagaac tctatcgggc accaggataa catctctcag tgaacagagt tgacaaggcc 1140
tatgggaaat gcctgatggg attatcttca gottgttgag cttctaagtt tctttccctt 1200
cattctaccc tgcaagccaa gttctgtaag agaaatgcct gagttctagc tcagggtttc 1260
ttactctgaa tttagatctc cagacccttc ctggccacaa ttcaaattaa ggcaacaaac 1320
atataccttc catgaagcac acacagactt ttgaaagcaa ggacaatgac tgcttgaatt 1380
gaggccttga ggaatgaagc tttgaaggaa aagaatactt tgttccagc ccccttccca 1440
cactcttcat gtgttaacca ctgccttccct ggaccttggg gccacggtga ctgtattaca 1500
tgttgttata gaaaactgat tttagagttc tgatcgttca agagaatgat taaatataca 1560
tttcta 1567

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<210> 75
<211> 240
<212> DNA
<213> Homo sapien

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<400> 75
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ggaagacctg ggggaaaaca ccatggtttt atccaccttg agatctttga acaacttcat 180
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<210> 76
<211> 330
<212> DNA
<213> Homo sapien

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<223> n = A,T,C or G

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tcagcctgca gccagagtac agagggccaa cactggtgtt cttgaacaag ggccttagca 180
ggcctgaag gcccctctct gtagtggtga acttcctgga gccaggccac atgttctcct 240
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<210> 77
<211> 361
<212> DNA
<213> Homo sapien

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<400> 77
agcgtgggtc cgcccgaggt gtccttcagg gtctgcttat gcccttggtc aagaacacca 60
gtgtcagctc tctgtactct ggttgacagc tgacctgtct caggcctgag aaggatgggg 120
cagccaccag agtggatgct gtctgcaccc atcgtcctga ccccaaaagc cctggactgg 180
acagagagcg gctgtactgg aagctgagcc agctgaccca cggcatcact gagctggggc 240
cctacaccct ggacagggac agtctctatg tcaatggttt caccatcggt agctctgtac 300
ccaccaccag caccggggtg gtcagcgagg agccattcaa cctgcccggt cggccgctcg 360

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a

361

<210> 78  
 <211> 356  
 <212> DNA  
 <213> Homo sapien  
  
 <220>  
 <221> misc\_feature  
 <222> (1)...(356)  
 <223> n = A,T,C or G

<400> 78  
 ttggggnttt mgagcggccg cccgggcagg taccgggggtg gtcagcgagg agccattcac 60  
 actgaacttc accatcaaca acctgcggta tgaggagaac atgcagcacc ctggctccag 120  
 gaagttcaac accacggaga gggctccttca gggcctgctc aggtccctgt tcaagagcac 180  
 cagtgttggc cctctgtact ctggctgcag actgactttg ctcagacttg agaaacatgg 240  
 ggcagccact ggagtggacg ccatctgcac cctccgcctt gatccactg gtcctggact 300  
 ggacagagag cggtatact gggagctgag ccagtcctct ggcgngnacn ccnctt 356

<210> 79  
 <211> 226  
 <212> DNA  
 <213> Homo sapien

<400> 79  
 agcgtggtcg cggccgaggt ccagtcgcag catgctcttt ctcctgcca ctggcacagt 60  
 gaggaagatc tctgctgtca gtgagaaggc tgtcatccac tgagatggca gtcaaaagtg 120  
 catttaatac acctaacgta tcgaacatca tagcttggcc caggttatct catatgtgct 180  
 cagaacactt acaatagcct gcagacctgc ccgggcggcc gctcga 226

<210> 80  
 <211> 444  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(444)  
 <223> n = A,T,C or G

<400> 80  
 tgtggtgttg aacttcctgg agncagggtg acccatgtcc tccccatact gcaggttggt 60  
 gatggtgaag ttgaggggtga atggtaccag gagagggcca gcagccataa ttgtsgrgck 120  
 gsmgmssgag gmwggwgtty cwgaggttcy rarrtccact gtggaggtcc caggagtgt 180  
 ggtggtgggc acagagstcy gatgggtgaa accattgaca tagagactgt tcctgtccag 240  
 ggtgtagggg ccagctctt yratgycatt ggycagttkg ctyagctccc agtacagccr 300  
 ctctckgyyg mgwccagsgc ttttggggtc aagatgatgg atgcagatgg catccactcc 360  
 agtggtgtct ccatacttct cggacctgag agaggtcagt ctgcagccag agtacagagg 420  
 gccaacactg gtgttctttg aata 444

<210> 81  
 <211> 310  
 <212> DNA  
 <213> Homo sapien

<400> 81

tcgagcggcc	gcccgggcag	gtcaggaagc	acattggtct	tagagccact	gcctcctgga	60
ttccacctgt	gctgaggaca	tctccaggga	gtgcagaagg	gaagcaggtc	aaactgctca	120
gatcagtcag	actggctgtt	ctcagttctc	acctgagcaa	ggtcagtctg	cagccagagt	180
acagagggcc	aacactgggtg	ttcttgaaca	agggcttgag	cagaccctgc	agaaccctct	240
tccgtggtgt	tgaacttcct	ggaaaccagg	gtgttgcatt	tttttctca	taatgcaagg	300
ttggtgatgg						310

<210> 82  
 <211> 571  
 <212> DNA  
 <213> Homo sapien  
  
 <220>  
 <221> misc\_feature  
 <222> (1)...(571)  
 <223> n = A,T,C or G

acggtttcaa	tggacacttt	tattgtttac	ttaatggatc	atcaattttg	tctcactacc	60
tacaaatgga	atttcatctt	gtttccatgc	tgagttagtg	aacagtgaca	aagctaataca	120
taataaccta	catcaaaaga	gaactaagct	aacactgctc	actttctttt	taacaggcaa	180
aataataata	tatgcactct	anaatgcaca	atggtttagt	cactaaaaaa	ttcaaatggg	240
atcttgaaga	atgtatgcaa	atccagggtg	cagtgaagat	gagctgagat	gctgtgcaac	300
tgtttaaggg	ttcctggcac	tgcatctctt	ggccactagc	tgaatcttga	catggaaggt	360
tttagctaata	gccaagtggg	gatgcagaaa	atgctaagtt	gacttagggg	ctgtgcacag	420
gaactaaaag	gcaggaaagt	actaaatatt	gctgagagca	tccaccccag	gaaggacttt	480
accttccagg	agctccaaac	tggcaccacc	cccagtgtct	acatggctga	ctttatctct	540
cgtgttccat	ttggcacagc	aagtggcagt	g			571

<210> 83  
 <211> 551  
 <212> DNA  
 <213> Homo sapien

aaggctgggtg	ggtttttgat	cctgctggag	aacctccgct	ttcatgtgga	ggaagaaggg	60
aagggaaaag	atgcttcttg	gaacaagggt	aaagccgagc	cagccaaaat	agaagcttct	120
cgagcttcac	tttccaagct	aggggatgtc	tatgtcaatg	atgcttttgg	cactgctcac	180
agagcccaca	gtcccatggt	aggagtcaat	ctgccacaga	aggctggtgg	gtttttgatg	240
aagaaggagc	tgaactactt	tgcaaaagcc	ttggagagcc	cagagcgacc	cttcttggcc	300
atcctgggcg	gagctaaagt	tgcaagacaag	atccagctca	tcaataatat	gctggacaaa	360
gtcaatgaga	tgattattgg	tggtggaatg	gcttttacct	tccttaaggt	gctcaacaac	420
atggagattg	gcacttctct	gtttgatgaa	gagggagcca	agattgtcaa	agacctaatg	480
tccaaagctg	agaagaatgg	tgtgaagatt	accttgccctg	ttgactttgt	cactgctgac	540
aagtttgatg	a					551

<210> 84  
 <211> 571  
 <212> DNA  
 <213> Homo sapien

tttgttctct	acatttttct	aaagagttac	ttaaatacagt	caactggtct	ttgagactct	60
taagttctga	ttccaactta	gctaattcat	tctgagaact	gtggtatagg	tggcgtgtct	120
cttctagctg	ggacaaaagt	tctttgtttt	ccccctgtag	agtatcacag	accttctgct	180
gaagctggac	ctctgtctgg	gccttggact	cccaaatctg	cttgtcatgt	tcaagcctgg	240
aaatgttaat	ctttaattct	tccatatgga	tggacatctg	tctaagttga	tccttttagaa	300

cactgcaatt	atcttctttg	agtctaattt	cttcttcttt	gctttgaatc	gcatcactaa	360
acttctcttc	ccattttctta	gcttcatctc	tcacctgttc	agcatccttc	tgaggaggaa	420
acatgctctt	agtaaaggct	gcaagctggg	tcacagtact	gtccaagttt	tcctgaagtt	480
gctgaacttc	cttgtctttc	ttgttcaaag	taacctgaat	ctctccaatt	gtctcttcca	540
agtggacttt	ttctctgcgc	aaagcatcca	g			571

<210> 85  
 <211> 561  
 <212> DNA  
 <213> Homo sapien

<400> 85						
tcattgcctg	tgatggcatc	tggaatgtga	tgagcagcca	ggaagttgta	gatttcattc	60
aatcaaagga	ttcagcatgt	ggtggaagct	gtgaggcaag	agaaacaaga	actgtatggc	120
aagttaagaa	gcacagaggc	aaacaagaag	gagacagaaa	agcagttgca	ggaagctgag	180
caagaaatgg	aggaaatgaa	agaaaagatg	agaaagtttg	ctaaatctaa	acagcagaaa	240
atcctagagc	tggaagaaga	gaatgaccgg	cttagggcag	aggtgcaccc	tgaggagat	300
acagctaaag	agtgtatgga	aacacttctt	tcttccaatg	ccagcatgaa	ggaagaactt	360
gaaagggtca	aaatggagta	tgaacccttt	tctaagaagt	ttcagtcctt	aatgtctgag	420
aaagactctc	taagtgaaga	ggttcaagat	ttaaagcatc	agatagaagg	taatgtatct	480
aaacaagcta	acctagaggc	caccgagaaa	catgataacc	aaacgaatgt	cactgaagag	540
ggaacacagt	ctataccagg	t				561

<210> 86  
 <211> 795  
 <212> DNA  
 <213> Homo sapien

<400> 86						
aagccaataa	tcaccattta	ttacttaata	tatgccaaac	actgtacttg	gcagttcaca	60
aattctcacc	gttacaacaa	ccccatgagg	tatttatctc	cattctatag	atagggaaac	120
cacagctcaa	gtaagttagg	aaactgagcc	aagtatacac	agaatacgaa	gtggcaaaac	180
tagaaggaaa	gactgacact	gctatctgct	ggcctccagt	gtcctggctc	ttttcacacg	240
ggttcaatgt	ctccagcgct	gctgctgctg	ctgcattacc	atgccctcat	tgtttttctt	300
cctctgggtg	tcaactgcat	ccttcaaaga	atctaactca	ttccagagac	cacttatttc	360
tttctctctt	tctgaaatta	cttttaataa	ttcttcatga	gggggaaaag	aagatgcctg	420
ttggtagttt	tgttgtttta	gctgctcaat	ttgggactta	aacaatttgt	tttcatcttg	480
tacatcctgt	aacagctgtg	ttttgctaga	aagatcactc	tcctctctct	ttagcatggc	540
ttctaaccct	ttcaattcat	tttcttttct	tttcaacaca	atctcaagtt	cttcaaactg	600
tgatgcagaa	gaggcctctt	tcaagttatg	ttgtgctact	tcctgaacat	gtgcttttaa	660
agattcattt	tcttcttgaa	gatcctgtaa	ccacttccct	gtattggcta	ggtctttctc	720
tttctcttcc	aaaacagcct	tcatggtatt	catctgttcc	tcttttcctt	ttaataagtt	780
caggagcttc	agaac					795

<210> 87  
 <211> 594  
 <212> DNA  
 <213> Homo sapien

<400> 87						
caagcttttt	tttttttttt	aaaaagtgtt	agcattaatg	ttttattgtc	acgcagatgg	60
caactgggtt	tatgtcttca	tattttatat	ttttgtaa	taaaaaaatt	acaagtttta	120
aatagccaat	ggctgggtat	attttcagaa	aacatgatta	gactaattca	ttaatggtgg	180
cttcaagctt	ttccttattg	gctccagaaa	attcaccac	cttttgtccc	ttcttaaaaa	240
actggaatgt	tgcatgcat	ttgacttcac	actctgaagc	aacatcctga	cagtcatcca	300
catctacttc	aaggaaatct	acgttggaat	acttttcaga	gagggaatga	aagaaaggct	360
tgatcatttt	gcaaggccca	caccacgtgg	ctgagaagtc	aactactaca	agtttatcac	420

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ctgcagcgtc caaggcttcc tgaaaagcag tcttgctctc gatctgcttc accatcttgg 480
ctgctggagt ctgacgagcg gctgtaangg cngatggaaa tggatccaaa gcaccaaaca 540
gagcttcaag actcgtctgt tggcttgaat tcggatccga tatcgccatg gcct 594

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<210> 88
<211> 557
<212> DNA
<213> Homo sapien

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<400> 88
aagtgttagc attaatgttt tattgtcacg cagatggcaa ctgggtttat gtcttcatat 60
tttatatttt tgtaaattaa aaaaattmca agttttaaat agccaatggc tggttatatt 120
ttcagaaaac atgattagac taattcatta atggtggctt caagcttttc cttattggct 180
ccagaaaatt caccacactt ttgtcccttc ttaaaaaact ggaatgttgg catgcatttg 240
acttcacact ctgaagcaac atcctgacag tcatccacat ctacttcaag gaatatcacg 300
ttggaatact tttcagagag ggaatgaaag aaaggcttga tcattttgca aggccacac 360
cacgtggctg agaagtcaac tactacaagt ttatcacctg cagcgtccaa ggcttcctga 420
aaagcagtct tgctctcgat ctgcttcacc atcttggtctg ctggagtctg acgagcggct 480
gtaaggaccg atggaaatgg atccaaagca ccaaacagag cttcaagact cgctgcttgg 540
catgaattcg gatccga 557

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```

<210> 89
<211> 561
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(561)
<223> n = A,T,C or G

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```

<400> 89
tacaaaacttt attgaaacgc aacgcgcac acacacaaac acccctgtgg atagggaaaa 60
gcacctggcc acagggtcca ctgaaacggg gaggggatgg cagcttgtaa tgtggctttt 120
gccacaacc ccttctgaca gggaaaggcct tagattgagg cccacacctc catggtgatg 180
ggaggtctag aatgggggcc agggagaatt tggttagggg gaggtgctag ggaggcatga 240
gcagagggca ccctccgagt ggggtcccgga gggctgcaga gtcttcagta ctgtccctca 300
cagcagctgt ctcaaggctg ggtccctcaa aggggcgtcc cagcgcgggg cctccctgcg 360
caaacacttg gtacccttg ctgctgcagc gaagccagca ggacagcagt ggcgccgatc 420
agcacaacag acgccttggc ggtagggaca gcaggccag ccctgtcggg tgtctcgga 480
gcaggtcttg ttatcatggc agaagtgtcc ttccacact tcacgtcctt cacaccacg 540
tganngctac nggccaggaa g 561

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```

<210> 90
<211> 561
<212> DNA
<213> Homo sapien

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<400> 90
cccgtgggtg ccatccacgg agttgttacc tgatcttttg aagcaggatc gcccgctctgc 60
actgcagtgg aagcccgctg ggcagcagtg atggccatcc ccgcatgcca cggcctctgg 120
gaaggggcag caactggaag tccctgagac ggtaaagatg caggagtggc cggcagagca 180
gtgggcatca acctggcagg ggccaccag atgcctgtct agtgttgtgg gccatttgtc 240
cagaagggga cggcagcagc tgtagctggc tcttccgggg tccaggcagc aggccacagg 300
gcagaactga ccatctgggc accgcgttcc agccaccagc cctgctgtta aggccaccca 360
gtcaccagg gtccacatgg tctgcctgcg tccgactccg cggtccttgg gccctgatgg 420
ttctacctgc tgtgagctgc ccagtgggaa gtatggctgc tgccaatgcc caacgccacc 480

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tgctgctccg atcacctgca ctgctgcccc aagacactgt gtgtgacctg atccagagta 540  
 agtgccctctc caaggagaaac g 561

<210> 91  
 <211> 541  
 <212> DNA  
 <213> Homo sapien  
  
 <220>  
 <221> misc\_feature  
 <222> (1)...(541)  
 <223> n = A,T,C or G

<400> 91  
 gaatcacctt tctggttttag ctagtacttt gtacagaaca atgagggtttc ccacagcgga 60  
 gtctccctgg gctctgtttg gctctcggtg aggcaggcct acaccttttc ctctcctcta 120  
 tggagagggg aatatgcatt aaggtgaaaa gtcaccttcc aaaagtgaga aagggtattcg 180  
 attgctgctt caggactgtg gaattatttg gaatgtttta caaatgggtg ctacaaaaca 240  
 aaaaaaaagg taattacaaa atgtgtacat cacaacatgc tttttaaaga cattatgcat 300  
 tgtgtctaca ttcccttaaa tgttgtttcc aaaggtgctc agcctctagc ccagctggat 360  
 tctccgggaa gaggcagaga cagtttggcg aaaaagacac aggggaaggag ggggtggtga 420  
 aaggagaaaag cagccttcca gttaaagatc agccctcagt taaaggtcag cttcccgcag 480  
 gctggcctca ngcggagtct gggtcagagg gaggagcagc agcagggtgg gactggggcg 540  
 t 541

<210> 92  
 <211> 551  
 <212> DNA  
 <213> Homo sapien

<400> 92  
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 gtgaagcgca agatccaggt tctgcagcag caggcagatg atgcagagga gcgagctgag 120  
 cgcctccagc gagaagttga gggagaaaagg cgggcccggg aacaggctga ggctgaggtg 180  
 gcctccttga accgtaggat ccagctgggt gaagaagagc tggaccgtgc tcaggagcgc 240  
 ctggccactg ccctgcaaaa gctggaagaa gctgaaaaag ctgctgatga gagtgaagaa 300  
 ggtatgaagg ttattgaaaa ccgggcctta aaagatgaag aaaagatgga actccaggaa 360  
 atccaactca aagaagctaa gcacattgca gaagaggcag ataggaagta tgaagaggtg 420  
 gctcgtaagt tggtagcat tgaaggagac ttggaacgca cagaggaacg agctgagctg 480  
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 tgtctgagtg c 551

<210> 93  
 <211> 531  
 <212> DNA  
 <213> Homo sapien

<400> 93  
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 gatctggttt tctggatagc caggtcatag catgggtatc agtaggaatc cgctgtagct 120  
 gcacaggcct cacttgctgc agttccgggg agaacacctg cactgcatgg cgttgatgac 180  
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 cgagggcagg cagcaggagc attgctcctg cacatcctcg atgtcaatgg agtacacagc 300  
 tttgctggca cactttccct ggagtaatg aatgtccact tcctcttggg acttacaatc 360  
 tcccactttg atgtactgca ctttggctgt gatgtctttg caatcaggct cctcacatgt 420  
 gtcacagcag gtgcctggaa ttttcaagat ttgacctcct tcagccagac acttgtgttc 480  
 atcaaatggt gggcagcccg tgacctctt ctcccagatg tactctctc t 531

<210> 94  
 <211> 531  
 <212> DNA  
 <213> Homo sapien  
  
 <220>  
 <221> misc\_feature  
 <222> (1)...(531)  
 <223> n = A,T,C or G

<400> 94  
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 ggcagttcca ctccgcacat cgtcaccttc gatgggcaga atttcaagct tactggtagc 240  
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 gcctgcagcc ccggggcaaa acaagcctgc atgaagtcca ttgagattaa gcatgctggc 360  
 gtctctgctg agctgcacag taacatggag atggcagtgg atgggagact ggtccttgcc 420  
 ccgtacgttg gtgaaaacat ggaagtcagc atctacggcg ctatcatgta tgaagtcagg 480  
 tttacccatc ttggccacat cctcacatac accgcncnaa aacaacgagt t 531

<210> 95  
 <211> 605  
 <212> DNA  
 <213> Homo sapien

<400> 95  
 agatcaacct ctgctggtea ggaggaatgc cttccttgte ttggatcttt gctttgacgt 60  
 tctcgatagt rwcaactkk r ytsramskma agkgyratgr wmttksywgw rasyktmwwm 120  
 rsgrraraytt agacaycccm cctcwagagac gsagkaccar gtgcagaggt ggactctttc 180  
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 gtgtcaactgg gctccacctc gaggggtgat gtcttaccag tcagggtctt cacgaagaty 360  
 tgcatcccac ctctgagacg gagcaccagg tgcagggttg actctttctg gatgtttag 420  
 tcagacaggg tgcgyccatc ttccagctgc tttccsagca aagatcaacc tctgctggtc 480  
 aggaggratg ccttccttgt cytggtatctt tgcyyttgacr ttctcratgg tgtcactcgg 540  
 ctccacttcg agagtgatgg tcttaccagt cagggtcttc acgaagatct gcatcccacc 600  
 tctaa 605

<210> 96  
 <211> 531  
 <212> DNA  
 <213> Homo sapien

<400> 96  
 aagtcacaaa cagacaaaaga ttattaccag ctgcaagcta tattagaagc tgaacgaaga 60  
 gacagaggtc atgattctga gatgattgga gaccttcaag ctcgaaattac atcttttacia 120  
 gaggaggtga agcatctcaa acataatctc gaaaaagtgg aaggagaaag aaaagaggct 180  
 caagacatgc ttaatcactc agaaaaggaa aagaataatt tagagataga tttaaactac 240  
 aaacttaaat cattacaaca acggttagaa caagaggtaa atgaacacaa agtaaccaaa 300  
 gctcggtttaa ctgacaaaaca tcaatctatt gaagaggcaa agtctgtggc aatgtgtgag 360  
 atggaaaaaa agctgaaaga agaaagagaa gctcgagaga aggctgaaaa tcgggttggt 420  
 cagattgaga aacagtgttc catgctagac gttgatctga agcaatctca gcagaaacta 480  
 gaacatttga ctggaataaa agaaaggatg gaggatgaag ttaagaatct a 531

<210> 97

<211> 1017  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(1017)  
 <223> n = A,T,C or G

<400> 97

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ccgggccttc	agcagccgct	cctacacgag	tgggcccggg	tcccgcacatca	gctcctcgag	120
cttctcccga	gtgggcagca	gcaactttcg	cggtggcctg	ggcggcggct	atggtggggc	180
cagcggcatg	ggaggcatca	cgcagttac	ggtcaaccag	agcctgctga	gcccccttgt	240
cctggagggtg	gaccccaaca	tccaggccgt	gcgacccag	gagaaggagc	agatcaagac	300
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gatgctggag	accaagtgga	gcctcctgca	gcagcagaag	acggctcgaa	gcaacatgga	420
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ggctgagagc	atgtaccagg	tcaagtatga	ggagctgcag	agcctggctg	ggaagcacgg	900
ggatgacctg	cggcgcacaa	agactgagat	ctctgagatg	aaccgggaac	atcagcccgg	960
ctncaggctg	agattgaggg	cctcaaaggc	caganggctt	ncctggangn	ccgccat	1017

<210> 98  
 <211> 561  
 <212> DNA  
 <213> Homo sapien

<400> 98

ccccgagcca	gccaacgagc	ggaaaatggc	agacaatttt	tcgctccatg	atgcgttattc	60
tgggtctgga	aacccaaacc	ctcaaggatg	gcctggcgca	tgggggaacc	agcctgctgg	120
ggcagggggc	taccaggggg	cttctatccc	tggggcctac	ccccggcagg	cacccccagg	180
ggcttatcct	ggacaggcac	ctccaggcgc	ctaccctgga	gcacctggag	cttatcccgg	240
agcacctgca	cctggagtct	acccagggcc	acccagcggc	cctggggcct	acccatcttc	300
tggacagcca	agtgccaccg	gagcctaccc	tgccactggc	ccctatggcg	cccctgctgg	360
gccactgatt	gtgccttata	acctgccttt	gcctggggga	gtggtgcctc	gcatgctgat	420
aacaattctg	ggcacgggtg	agcccaatgc	aaacagaatt	gcttttagatt	tccaaagagg	480
gaatgatgtt	gccttccact	ttaaccacag	cttcaatgag	aacaacagga	gagtcattgg	540
ttgcaatata	aagctggata	a				561

<210> 99  
 <211> 636  
 <212> DNA  
 <213> Homo sapien

<400> 99

gggaatgcaa	caactttatt	gaaaggaaag	tgcaatgaaa	tttgttgaaa	ccttaaaagg	60
ggaaaacttag	acaccccccc	tcragcgmag	kaccargtgc	araggtggac	tctttctgga	120
tgtttgtagtc	agacagggtr	cgwccatctt	ccagctgttt	yccrgcaaag	atcaacctct	180
gctgatcagg	aggratgcct	tccttatctt	ggatctttgc	cttgacattc	tcgatggtgt	240
cactgggctc	cacctogagg	gtgatggctt	taccagtcag	ggtcttcacg	aagatytgca	300
tcccacctct	gagacggagc	accaggtgca	gggtrgactc	tttctggatg	ttgtagtcag	360

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acaggggtgcg yccatcttcc agctgctttc csagcaaaga tcaacctctg ctggtcagga 420
ggratgcctt ccttgctcytg gatctttgcy ttgacrttct caatggtgtc actcggtcc 480
acttcgagag tgatggtctt accagtcagg gtcttcacga agatctgcat cccacctcta 540
agacggagca ccaggtgcag ggtggactct ttctggatgg ttgtagtcag acaggggtgcg 600
tccatcttcc agctgtttcc cagcaaagat caacct 636

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<210> 100
<211> 697
<212> DNA
<213> Homo sapien

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<400> 100
aggttgatct ttgctgggaa acagctggaa gatggacgca ccctgtctga ctacaacat 60
ccagaaagag tccaccctgc acctggtgct cgtcttaga ggtgggatgc agatcttctg 120
gaagaccctg actggttaaga ccatcactct cgaagtggag ccgagtgcac ccattgagaa 180
ygtcaargca aagatccarg acaaggaagg catyccctct gaccagcaga ggttgatctt 240
tgctsggaaa gcagctggaa gatggcgcga ccctgtctga ctacaacatc cagaaagagt 300
cyaccctgca cctggtgctc cgtctcagag gtgggatgca ratcttcgtg aagaccctga 360
ctgtaagac catcacctc gaggtggagc ccagtgcac catcgagaat gtcaaggcaa 420
agatccaaga taaggaaggc atccctcctg atcagcagag gttgatcttt gctgggaaac 480
agctggaaga tggacgcacc ctgtctgact acaacatcca gaaagagtcc acctytgcac 540
ytggtmctbc gtctyagagg kgggrtgcaa atctwmgtkw agacactcac tkkyaagryy 600
atcamcmwtg akktcgakys castkwact wcrakaamg tyrwgcawa gatccmagac 660
aaggaaggca ttcctcctga ccagcagagg ttgatct 697

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<210> 101
<211> 451
<212> DNA
<213> Homo sapien

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<400> 101
atggagtctc actctgtcga ccaggctgga gcgctgtggt gcgatatcgg ctactgcag 60
tctccacttc ctgggttcaa ggcatactcc tgcctcagcc tcccgagtag ctgggactac 120
aggcaggcgt caccataatt tttgtatttt tagtagagac atggtttcgc catgttggt 180
gggctgggtct cgaactcctg acctcaagt atctgtcctg gcctcccaa gtgttggtg 240
tacaggcgaa agccaacgct cccggccagg gaacaacttt agaataagg aaatatgcaa 300
aagaacatca catcaaggat caattaatta ccatctatta attactatat gtgggtaatt 360
atgactattt cccaagcatt ctacgttgac tgcttgagaa gatgtttgtc ctgcatggtg 420
gagagtggag aagggccagg attcttaggt t 451

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<210> 102
<211> 571
<212> DNA
<213> Homo sapien

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<400> 102
agcgcggtct tccggcgaga gaaagctgaa ggtgatgtgg ccgccctcaa ccgacgcac 60
cagctcggtt aggaggagtt ggacagggt caggaacgac tggccacggc cctgcagaag 120
ctggaggagg cagaaaaagc tgcagatgag agtgagagag gaatgaagg gatagaaaac 180
cgggccatga aggatgagga gaagatggag attcaggaga tgcagctcaa agaggccaag 240
cacattgcgg aagaggctga ccgcaaatac gaggaggtag ctctgaagct ggtcatcctg 300
gagggtgagc tggagagggc agaggagcgt gcggaggtgt ctgaactaaa atgtggtgac 360
ctggaagaag aactcaagaa tgttactaac aatctgaaat ctctggaggc tgcacttgaa 420
aagtattctg aaaaggagga caaatatgaa gaagaaatta aacttctgtc tgacaaactg 480
aaaggagctg agaccgtgc tgaatttgca gagagaacgg ttgcaaaact ggaaaagaca 540
attgatgacc tggaaagaaa acttgcccag c 571

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<210> 103  
 <211> 451  
 <212> DNA  
 <213> Homo sapien

<400> 103  
 gtgcacaggt cccatttatt gtagaaaata ataataatta cagtgatgaa tagctcttct 60  
 taaattacaa aacagaaacc acaaagaagg aagaggaaaa accccaggac ttccaagggt 120  
 gaagctgtcc cctcctccct gccaccctcc caggctcatt agtgtccttg gaaggggcag 180  
 aggactcaga ggggatcagt ctccaggggc cctgggctga agcgggtgag gcagagagtc 240  
 ctgagggcac agagctgggc aacctgagcc gcctctcttg cccctcccc caccactgcc 300  
 caaacctgtt tacagcacct tcgcccctcc cctctaaacc cgtccatcca ctctgcactt 360  
 ccagggcagg tgggtgggcc aggcctcagc catactctg ggcgcgggtt tcggtgagca 420  
 aggcacagtc ccagaggtga tatcaaggcc t 451

<210> 104  
 <211> 441  
 <212> DNA  
 <213> Homo sapien

<400> 104  
 gcaaggaact ggtctgctca cacttgctgg cttgcgcate aggactggct ttatctctctg 60  
 actcaoggtg caaaggtgca ctctgcgaac gttaagtccg tccccagcgc ttggaatcct 120  
 acggcccca cagccggatc cctcagcct tccaggtcct caactcccgt ggacgctgaa 180  
 caatggcctc catggggcta caggtaatgg gcacgcgct ggccgtcctg ggctggctgg 240  
 ccgtcatgct gtgctgcgcg ctgcccattgt ggcgcgtgac ggccttcate ggcagcaaca 300  
 ttgtcacctc gcagaccatc tgggagggcc tatggatgaa ctgcgtggtg cagagcaccg 360  
 gccagatgca gtgcaagggtg tacgactcgc tgctggcact gccgcaggac ctgcaggcgg 420  
 cccgcgccct cgtcatcatc a 441

<210> 105  
 <211> 509  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(509)  
 <223> n = A,T,C or G

<400> 105  
 tgcaaaaggg acacaggggt tcaaaaataa aaatttctct tccccctccc caaacctgta 60  
 cccagctcc ccgaccacaa cccccttcct ccccgggga aagcaagaag gacgaggtgt 120  
 ggcatctgca gctgggaaga gagaggccgg ggaggtgccg agctcggtagc tggctctctt 180  
 ccaaataata atacntgtgt cagaactgga aaatcctcca gcaccacca cccaagcact 240  
 ctccgttttc tgccggtgtt tggagagggg cggggggcag gggcgccagg caccggctgg 300  
 ctgcggtcta ctgcatccgc tgggtgtgca cccgcgagc ctctgctgc tcattgtaga 360  
 agagatgaca ctcggggtcc ccccgatgg tgggggctcc ctggatcagc ttcccggtgt 420  
 tggggttcac acaccagcac tcccacgct gcccgttcag agacatcttg cactgtttga 480  
 ggtgtacag gccatgcttgc tcacagttg 509

<210> 106  
 <211> 571  
 <212> DNA  
 <213> Homo sapien

<400> 106

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gggttgagg gactggttct ttatttcaaa aagacacttg tcaatattca gtatcaaaac    60
agttgcacta ttgatttctc tttctcccaa tcggcccca agagaccaca taaaaggaga    120
gtacatttta agccaataag ctgcaggatg tacacctaac agacctcta gaaaccttac    180
cagaaaatgg ggactgggta ggaaggaaa cttaaagat caacaaactg ccagcccacg    240
gactgcagag gctgtcacag ccagatgggg tggccagggt gccacaaacc caaagcaaag    300
tttcaaaata atataaaatt taaaaagttt tgtacataag ctattcaaga tttctccagc    360
actgactgat acaaagcaca attgagatgg cacttctaga gacagcagct tcaaacccag    420
aaaagggtga tgagatgagt ttcacatggc taaatcagtg gcaaaaacac agtcttcttt    480
ctttctttct ttcaaggagg caggaaagca attaagtggc cacctcaaca taagggggag    540
atgatccatt ctgtaagcag ttgtgaaggg g

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<210> 107
<211> 555
<212> DNA
<213> Homo sapien

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<400> 107
caggaaccgg agcgcgagca gtagctgggt gggcaccatg gctgggatca ccaccatcga    60
ggcggatgaag cgcaagatcc aggttctgca gcagcaggca gatgatgcag aggagcgagc    120
tgagcgccct cagcgagaag ttgagggaga aaggcggggc cgggaacagg ctgaggctga    180
ggtggccctcc ttgaaccgta ggatccagct gggtgaagaa gagctggacc gtgctcagga    240
gcgcctggcc actgccctgc aaaagctgga agaagctgaa aaagctgctg atgagagtga    300
gagaggtatg aaggttattg aaaaccgggc cttaaaagat gaagaaaaga tggactcca    360
ggaaatccaa ctcaaagaag ctaagcacat tgcagaagag gcagatagga agtatgaaga    420
ggtggctcgt aagttgggtga tcattgaagg agacttggaa cgcacagagg aacgagctga    480
gctggcagag tcccgttgcc gagagatgga tgagcagatt agactgatgg accagaacct    540
gaagtgtctg agtgc

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<210> 108
<211> 541
<212> DNA
<213> Homo sapien

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<400> 108
atctacgtca tcaatcaggc tggagacacc atgttcaatc gagctaagct gctcaatatt    60
ggctttcaag aggccttgaa ggactatgat tacaactgct ttgtgttcag tgatgtggac    120
ctcattccga tggacgaccg taatgcctac aggtgttttt cgcagccacg gcacatttct    180
gttgcaatgg acaagttcgg gtttagcctg ccatatgttc agtattttgg aggtgtctct    240
gctctcagta aacaacagtt tcttgccatc aatggattcc ctaataatta ttggggttgg    300
ggaggagaag atgacgacat ttttaacaga ttagttcata aaggcatgtc tatatcacgt    360
ccaaatgctg tagtagggag gtgtcgaatg atccggcatt caagagacaa gaaaaatgag    420
cccaatcctc agaggtttga ccggtcgcga catacaaagg aaacgatgcg cttcgatggt    480
ttgaactcac ttacctaca ggtgttggat gtcagagata cccgttatat acccaaatca    540
c

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<210> 109
<211> 411
<212> DNA
<213> Homo sapien

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<400> 109
ctagacctct aattaaaagg cacaatcatg ctggagaatg aacagtctga ccccgagggc    60
cacagcgaat tttaggggaag gaggcaaaga ggtgagaagg gaaaggaaag aagggaaggaa    120
ggagaacaat agaactgga gacgttgggt gggtcaggga gtgtggtgga ggctcggaga    180
gatggtaaac aaacctgact gctatgagtt ttcaaccca tagtctaggg ccatgagggc    240
gtcagttctt ggtggctgag gtccttcca ccagcccac ctgggggagt ggagtgggga    300
gttctgccag gtaagcagat gttgtctccc aagttcctga ccagatgtc tggcaggata    360

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acgctgacct gttccctcaa caaggacct gaaagtaatt ttgctcttta c 411

<210> 110  
<211> 451  
<212> DNA  
<213> Homo sapien

<400> 110

ccgaattcaa	gcgtcaacga	tccytccctt	accatcaaat	caattggcca	ccaatggtac	60
tgaacctacg	agtacaccga	ctacgggcg	actaatcttc	aactcctaca	tacttcccc	120
attattccta	gaaccaggcg	acctgcgact	ccttgacgtt	gacaatcgag	tagtactccc	180
gattgaagcc	cccattcgta	taataattac	atcacaagac	gtcttgcaact	catgagctgt	240
ccccacatta	ggcttaaaaa	cagatgcaat	tcccggacgt	ctaagccaaa	ccactttcac	300
cgctacacga	cgggggtat	actacggta	atgctctgaa	atctgtggag	caaaccacag	360
tttcatgccc	atcgctctag	aattaattcc	cctaaaaatc	tttgaaatag	ggcccgatt	420
taccctatag	cacccctct	acccctcta	g			451

<210> 111  
<211> 541  
<212> DNA  
<213> Homo sapien

<400> 111

gctcttcaca	cttttattgt	taattctctt	cacatggcag	atacagagct	gtcgtcttga	60
agaccaccac	tgaccaggaa	atgccacttt	tacaaaatca	tcccccttt	tcatgattgg	120
aacagttttc	ctgaccgtct	gggagcgttg	aagggtgacc	agcacatttg	cacatgcaaa	180
aaaggagtga	ccccaaaggc	tcaaccacac	ttcccagagc	tcaccatggg	ctgcaggtga	240
cttgccaggt	ttggggttcg	tgagctttcc	ttgctgctgc	ggtggggagg	ccctcaagaa	300
ctgagaggcc	ggggtatgct	tcatgagtgt	taacatttac	gggacaaaag	cgcatcatta	360
ggataaggaa	cagccacagc	acttcatgct	tgtgagggtt	agctgtagga	gcgggtgaaa	420
ggattccagt	ttatgaaaat	ttaaagcaaa	caacggtttt	tagctgggtg	ggaacacagga	480
aaactgtgat	gtcggccaat	gaccaccatt	tttctgcccc	tgtgaaggtc	cccatgaaac	540
c						541

<210> 112  
<211> 521  
<212> DNA  
<213> Homo sapien

<400> 112

caagcgcttg	gcgtttggac	ccagttcagt	gaggttcttg	ggttttgtgc	ctttggggat	60
tttggtttga	cccaggggtc	agccttagga	aggtcttcag	gaggaggccg	agttccccct	120
cagtaccacc	cctctctccc	cactttccct	ctcccgcaaa	catctctggg	aatcaacagc	180
atattgacac	gttgagccg	agcctgaaca	tgccctcgg	cccagcaca	tggaaaaccc	240
ccttccttgc	ctaaggtgtc	tgagtttctg	gctcttgagg	catttccaga	cttgaaattc	300
tcatcagtc	attgctcttg	agtctttgca	gagaacctca	gatcaggtgc	acctgggaga	360
aagactttgt	ccccacttac	agatctatct	cctcccttgg	gaagggcagg	gaatggggac	420
ggtgtatgga	ggggaaggga	tctcctgcgc	ccttcattgc	cacacttggt	gggaccatga	480
acatctttag	tgtctgagct	tctcaaatta	ctgcaatagg	a		521

<210> 113  
<211> 568  
<212> DNA  
<213> Homo sapien

<400> 113

agcgtcaaat	cagaatggaa	aagactcaaa	accatcatca	acaccaagat	caaaaggaca	60
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agratccttc aagaaacagg aaaaaactcc taaaacacca aaaggaccta gttctgtaga 120
agacattaaa gcaaaaatgc aagcaagtat agaaaaaggt ggttctcttc ccaaagtggg 180
agccaaattc atcaattatg tgaagaattg cttccggatg actgaccaag aggcatttca 240
agatctctgg cagtggagga agtctcttta agaaaatagt ttaaacaatt tgtaaaaaaa 300
ttttccgtct tatttcattt ctgtaacagt tgatatctgg ctgtcctttt tataatgcag 360
agtgagaact ttccctaccg tgtttgataa atgttgacca ggttctattg ccaagaatgt 420
gttgtccaaa atgacctgtt agtttttaaa gatggaactc caccctttgc ttgggtttta 480
gtatgtatgg aatgttatga taggacatag tagtagcggt ggtcagacat ggaaatgggt 540
ggsmgacaaa aatatacatg tgaaataa 568

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<210> 114
<211> 483
<212> DNA
<213> Homo sapien

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<400> 114
tccgaattcc aagcgaatta tggacaaaacg attcctttta gaggattact tttttcaatt 60
tcggttttag taatctaggc tttgctgtga aagaatacaa cgatggattt taaatactgt 120
ttgtggaatg tgtttaaagg attgattcta gaacctttgt atatttgata gtatttctaa 180
ctttcatttc tttactgttt gcagttaatg ttcattgtct gctatgcaat cgttttatg 240
cacgtttctt taattttttt agattttcct ggatgtatag tttaaacaac aaaaagtcta 300
tttaaaactg tagcagtagt ttacagttct agcaaagagg aaagtgtgtg ggtaaactt 360
tgtattttct ttcttataga ggcttctaaa aaggtatttt tatatgttct ttttaacaaa 420
tattgtgtac aacctttaaa acatcaatgt ttggatcaaa acaagaccca gcttattttc 480
tgc 483

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<210> 115
<211> 521
<212> DNA
<213> Homo sapien

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<400> 115
tgtggtggcg cgggctgagg tggaggccca ggactctgac cctgcccctg ccttcagcaa 60
ggcccccgcc agcgccggcc actacgaact gccgtgggtt gaaaaatata ggccagtaaa 120
gctgaatgaa attgtcggga atgaagacac cgtgagcagg ctagagggtc ttgcaaggga 180
aggaaatgtg cccaacatca tcattgcggg cctccaggga accggcaaga ccacaagcat 240
tctgtgcttg gcccgggccc tgctggggcc agcactcaaa gatgccatgt tggaaactcaa 300
tgcttcaaat gacaggggca ttgacgttgt gaggaataaa attaaaatgt ttgctcaaca 360
aaaagtcact cttcccaaag gccgacataa gatcatcatt ctggatgaag cagacagcat 420
gaccgacgga gccagcaag ccttgaggag aaccatggaa atctactcta aaaccactcg 480
ttcgcccttg cttgtaatgc ttcggataag atcatcgagc c 521

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<210> 116
<211> 501
<212> DNA
<213> Homo sapien

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<400> 116
ctttgcaaaag cttttatttc atgtctgcgg catggaatcc acctgcacat ggcattcttag 60
ctgtgaaggga gaaagcagtg cagcagaagg aatgagtggg cggaaccaac ggcctccaca 120
agctgccttc cagcagcctg ccaaggccat ggcagagaga gactgcaaac aaacacaagc 180
aaacagagtc tcttcacagc tggagtctga aagctcatag tggcatgtgt gaatctgaca 240
aaattaaaag tgtgcatagt ccattacatg cataaaacac taataataat cctgtttaca 300
cgtgactgca gcaggcaggt ccagctccac cactgccctc ctgccacatc acatcaagt 360
ccatgggttta gaggggtttt catatgtaat tcttttattc tgtaaaagg t aacaaaatat 420
acagaacaaa actttccctt tttaaaacta atgttacaaa tctgtattat cacttgagata 480
taaatagtat ataagctgat c 501

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<210> 117  
 <211> 451  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)..(451)  
 <223> n = A,T,C or G

<400> 117

caagggatat	atgttgagg	tacrgtgtga	caactgaacag	atcacaaagc	acgagaaaca	60
ttagttctct	cctccccag	cgtctccttc	gtctccctgg	ttttccgatg	tccacagagt	120
gagattgtcc	ctaagtaact	gcatgatcag	agtgtctgkt	ttataagact	cttcattcag	180
cgtatccaat	tcagcaattg	cttcacaaa	tgccgttttt	gccaggtac	aggccttttc	240
aggagagttt	agaatctcat	agtaaaagac	tgagaaattt	agtgccagac	caagacgaat	300
tgggtgtgta	ggctgcattn	ctttcttact	aatttcaaat	gcttcctggt	aagcctgctg	360
ggagttcgac	acaagtgtt	tggtttgtgc	tccagatgcc	acttcagaaa	gatacctaaa	420
ataatctcct	ttcattttca	aagtagaaca	c			451

<210> 118  
 <211> 501  
 <212> DNA  
 <213> Homo sapien

<400> 118

tccggagccg	gggtagtcgc	cgcgcgccgc	gccggtgcag	ccactgcagg	caccgctgcc	60
gccgcctgag	tagtgggctt	aggaaggaag	aggtcatctc	gctcggagct	tcgctcggaa	120
gggtctttgt	tccctgcagc	cctcccacgg	gaatgacaat	ggataaaagt	gagctgggtac	180
agaaagccaa	actcgtgag	caggctgagc	gatatgatga	tatggctgca	gcatgaagg	240
cagtcacaga	acaggggcat	gaactctcca	acgaagagag	aaatctgctc	tctgttgctt	300
acaagaatgt	ggtaaggccg	cccgcgcgtc	ttcctggcgt	gtcatctcca	gcattgagca	360
gaaaacagag	aggaatgaga	agaagcagca	gatgggcaaa	gagtaccgtg	agaagataga	420
ggcagaactg	caggacatct	gcaatgatgt	tctggagctt	gttggacaaa	tatcttattc	480
caatgctaca	caaccagaa	a				501

<210> 119  
 <211> 391  
 <212> DNA  
 <213> Homo sapien

<400> 119

aaaaagcagc	argttcaaca	caaaatagaa	atctcaaagt	taggatagaa	caaaaccaag	60
tgtgtgagg	gggaagcaac	agcaaaagga	agaaatgaga	tgttgcaaaa	aagatggagg	120
agggttcccc	tctcctctgg	ggactgactc	aaacactgat	gtggcagtat	acaccattcc	180
agagtcagg	gtgttcattc	ttttttggga	gtaagaaaag	gtggggatta	agaagacgtt	240
tctggaggct	tagggaccaa	ggctggtctc	tttccccctc	ccaaccccc	ttgatccctt	300
tctctgatca	ggggaaagga	gctcgaatga	gggaggtaga	gttggaagg	gaaaggattc	360
cacttgacag	aatgggacag	actccttccc	a			391

<210> 120  
 <211> 421  
 <212> DNA  
 <213> Homo sapien

<220>

<221> misc\_feature  
 <222> (1)...(421)  
 <223> n = A,T,C or G

<400> 120  
 tggcaatagc acagccatcc aggagctctt cargcgcatc tcggagcagt tcactgccat 60  
 gtcccgccgg aaggccttcc tccactggta cacaggcgag ggcattggacg agatggagtt 120  
 caccgaggct gagagcaaca tgaacgacct cgtctctgag tatcaagcag taccaggatg 180  
 ccaccgcaga agaggaggag gatttcggtg aggaggccga agaggaggcc taaggcagag 240  
 ccccatcac ctcaggcttc tcagttccct tagccgtctt actcaactgc ccctttcctc 300  
 tccttcagaa tttgtgtttg ctgcctctat cttgtttttt gttttttctt ctgggggggt 360  
 ctagaacagt gcctggcaca tagtaggcgc tcaataaata cttggttgnt gaatgtctcc 420  
 t 421

<210> 121  
 <211> 206  
 <212> DNA  
 <213> Homo sapien

<400> 121  
 agctggcgct agggctcggt tgtgaaatac agcgttgtca gcccttgccg tcagtgtaga 60  
 aaccacgcc tgtaaggtcg gtcttcgtcc atctgctttt ttctgaaata cactaagagc 120  
 agccacaaaa ctgtaacctc aaggaaacca taaagcttgg agtgccttaa tttttaacca 180  
 gtttccaata aaacggttta ctacct 206

<210> 122  
 <211> 131  
 <212> DNA  
 <213> Homo sapien

<400> 122  
 ggagatgaag atgaggaagc tgagtcagct acgggcargc gggcagctga agatgatgag 60  
 gatgacgatg tcgataccaa gaagcagaag accgacgagg atgactagac agcaaaaaag 120  
 gaaaagttaa a 131

<210> 123  
 <211> 231  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(231)  
 <223> n = A,T,C or G

<400> 123  
 gatgaaaatt aaatacttaa attaatacaa aggcactacg ataccaccta aaacctactg 60  
 cctcagtggc agtakgctaa kgaagatcaa gctacagsac atyatcta atgaatgtta 120  
 gcaattacat akcargaagc atgtttgctt tccagaagac tatggnacaa tggtcattwg 180  
 ggccaagag gatatttggc cnggaaagga tcaagataga tnaangtaaa g 231

<210> 124  
 <211> 521  
 <212> DNA  
 <213> Homo sapien

<220>

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<221> misc_feature
<222> {1}...{521}
<223> n = A,T,C or G

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<400> 124
gagtagcaac gcaaagcgct tggattgag tctgtggsg acttcggttc cggctctctgc      60
agcagccgtg atcgcttagt ggagtgccta gggtagttgg ccaggatgcc gaatatcaaa      120
atcttcagca ggcagctccc accaggactt atctcasaaa attgctgacc gcctgggcct      180
ggagctaggc aaggtgggtga ctaagaaatt cagcaaccag gagacctgtg tggaaattgg      240
tgaaagtgtg ccgtggagag gatgtctaca ttgttcagag tggntgtggc gaaatcaatg      300
acaatttaat ggagcttttg atcatgatta atgcctgcaa gattgcttca gccagccggg      360
ttactgcagt catcccatgc ttcccttatg ccccggcagg ataagaaaga tnagagccgg      420
gccgccaatc tcagccaagc ttggtgcaaa tatgctatct gtagcagtgc agatcatatt      480
atcaccatgg acctacatgc ttctcaaatt canggctttt t                          521

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<210> 125
<211> 341
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> {1}...{341}
<223> n = A,T,C or G

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<400> 125
atgcaaaagg ggacacaggg ggttcaaaaa taaaaatttc tcttccccct ccccaaacct      60
gtaccccgag tccccgacca caaccocctt cctcccccg ggaaagcaag aaggagcagg      120
tgtggcatct gcagctggga agagagaggg cggggaggtg ccgagctcgg tgctgggtctc      180
tttccaaata taaatacgtg tgtcagaact ggaaaatcct ccagcaccga ccaccaagc      240
actctccgtt ttctgccggt gtttggagag gggcgngggg caggggcgcc aggcaccggc      300
tggctgcggt ctactgcacg cgctgggtgt gcaccccgcg a                          341

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<210> 126
<211> 521
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> {1}...{521}
<223> n = A,T,C or G

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<400> 126
aggttgagga aggtcatgca ggtgcagatt gtccaggskc agccacaggg tcaagcccaa      60
caggcccaga gtggcactgg acagaccatg caggtgatgc agcagatcat cactaacaca      120
ggagagatcc agcagatccc ggtgcagctg aatgccggcc agctgcagta tatccgctta      180
gccagccttg tatcaggcac tcaagttgtg cagggacaga tccagacact tgccaccaat      240
gctcaacaga ttacacagac agaggtccag caaggacagc agcagttcaa gccagttcac      300
aagatggaca gcagctctac cagatccagc aagtcaccat gcctgcgggc cangacctcg      360
ccagcccatg ttcatccagt caagccaacc agcccttna cgggcaggcc cccaggtga      420
ccggcgactg aagggcctga gctggcaagg ccaangacac ccaacacaat ttttgccata      480
cagcccccag gcaatgggca cagcctttct tcccagagga c                          521

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<210> 127
<211> 351
<212> DNA

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<213> Homo sapien

<400> 127

tgagatttat	tgcatttcat	gcagcttgaa	gtccatgcaa	aggrgactag	cacagttttt	60
aatgcattta	aaaaataaaa	gggaggtggg	cagcaaacac	acaaagtcc	agtttccttg	120
gtccctggga	gaaaagagtg	tggcaatgaa	tccacccact	ctccaaggg	aataaatctg	180
tctcttaaat	gcaaagaatg	tttccatggc	ctctggatgc	aaatacacag	agctctgggg	240
tcagagcaag	ggatggggag	aggaccacga	gtgaaaaagc	agctacacac	attcacctaa	300
ttccatctga	gggcaagaac	aacgtggcaa	gtcttggggg	tagcagctgt	t	351

<210> 128

<211> 521

<212> DNA

<213> Homo sapien

<400> 128

tccagacatg	ctcctgtcct	aggcggggag	caggaaccag	acctgctatg	ggaagcagaa	60
agagttaagg	gaaggtttcc	tttcattcct	gttccttctc	ttttgctttt	gaacagtttt	120
taaatatact	aatagctaag	tcatttgcca	gccaggtccc	ggtgaacagt	agagaacaag	180
gagcttgcta	agaattaatt	ttgctgtttt	tcacccatt	caaacagagc	tgccctgttc	240
cctgatggag	ttccattcct	gccagggcac	ggctgagtaa	cacgaagcca	ttcaagaaag	300
gcgggtgtga	aatcactgcc	accccatgga	cagaccctc	actcttcctt	cttagccgca	360
gcgctactta	ataaatatat	ttatactttg	aaattatgat	aaccgatttt	tcccatgcgg	420
catcctaagg	gcacttgcca	gctcttatcc	ggacagtcaa	gcactgttgt	tggaacaacag	480
ataaaggaaa	agaaaaagaa	gaaaacaacc	gcaacttctg	t		521

<210> 129

<211> 521

<212> DNA

<213> Homo sapien

<400> 129

tgagacggac	cactggcctg	gtccccctc	atktgctgtc	gtaggacctg	acatgaaacg	60
cagatctagt	ggcagagagg	aagatgatga	ggaacttctg	agacgtcggc	agcttcaga	120
agagcaatta	atgaagctta	actcaggcct	gggacagttg	atcttgaaag	aagagatgga	180
gaaagagagc	cgggaaagg	catctctgtt	agccagtcgc	tacgattctc	ccatcaactc	240
agcttcacat	attccatcat	ctaaaactgc	atctctccct	ggctatggaa	gaaatgggct	300
tcaccggcct	gtttctaccg	acttcgctca	gtataacagc	tatggggatg	tcagcggggg	360
agtgcgagat	taccagacac	ttccagatgg	ccacatgcct	gcaatgagaa	tggaaccgag	420
agtggtctatg	cccaacatgt	tggaaacaaa	gatatttcca	tatgaaatgc	tcatgggtgac	480
caacagaggg	ccgaaaccaa	atctcagaga	ggtggacaga	a		521

<210> 130

<211> 270

<212> DNA

<213> Homo sapien

<400> 130

tcactttatt	tttctgtat	aaaaacccta	tgttgtagcc	acagctggag	cctgagtcgg	60
ctgcacggag	actctgggtg	gggtcttgac	gaggtgtgca	gtgaactcct	gatagggaga	120
cttggtgaat	acagtctcct	tcagaggctc	gggggtcagg	tagctgtagg	tcttagaaat	180
ggcatcaaa	gtggccttgg	cgaagttgcc	caggggtggca	gtgcagcccc	gggctgaggt	240
gtagcagtca	tcgataccag	ccatcatgag				270

<210> 131

<211> 341

<212> DNA



<213> Homo sapien

<400> 131

ctggaatata	gacccgtgat	cgacaaaact	ttgaacgagg	ctgactgtgc	caccgtcccc	60
ccagccattc	gctcctactg	atgagacaag	atgtggtgat	gacagaatca	gcttttgtaa	120
ttatgtataa	tagctcatgc	atgtgtccat	gtcataactg	tcttcatacg	cttctgcact	180
ctggggaaga	aggagtacat	tgaagggaga	ttggcaccta	gtggctggga	gcttgccagg	240
aaccagtg	ccagggagcg	tggcacttac	ctttgtccct	tgcttcattc	ttgtgagatg	300
ataaaactgg	gcacagctct	taaataaaaat	ataaatgaac	a		341

<210> 132

<211> 844

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(844)

<223> n = A,T,C or G

<400> 132

tgaatgggga	ggagctgacc	caggaaatgg	agcttgngga	gaccaggcct	gcaggggatg	60
gaaccttcca	gaagtgggca	tctgtggtgg	tgctcttg	gaaggagcag	aagtacacat	120
gccatgtgga	acatgagggg	ctgcctgagc	ccctcaccc	gagatggggc	aaggaggagc	180
ctccttcac	caccaagact	aacacagtaa	tcattgctgt	tccggttg	cttgagctg	240
tggtcatcct	tgagctgtg	atggctttt	tgatgaagag	gaggagaaac	acaggtggaa	300
aaggagggga	ctatgctctg	gctccaggct	cccagagctc	tgatattgt	ctcccagatt	360
gtaaagtgtg	aagacagctg	cctggtgtgg	acttggtgac	agacaatgtc	ttcacacatc	420
tcctgtgaca	tccagagacc	tcagttctct	ttagtcaagt	gtctgatgtt	ccctgtgagt	480
ctgcgggctc	aaagtgaaga	actgtggagc	ccagtccacc	cctgcacacc	aggaccctat	540
ccctgcactg	ccctgtgttc	ccttccacag	ccaaccttgc	tgctccagcc	aaacattggt	600
ggacatctgc	agcctgtcag	ctccatgcta	ccctgacctt	caactcctca	cttccacact	660
gagaataata	atttgaatgt	gggtggctgg	agagatggct	cagegctgac	tgctcttcca	720
aaggtcctga	gttcaaattc	cagcaaccac	atggtggctc	acaacctct	gtaatgggat	780
ctaataccct	cttctgcagt	gtctgaagac	asctacagt	tacttacata	taataataaa	840
taag						844

<210> 133

<211> 601

<212> DNA

<213> Homo sapien

<400> 133

ggccggggcg	gcgcgcccc	gccacacgca	cgccgggct	gccagtttat	aaaggagag	60
agcaagcagc	gagcttgaa	gctctgtttg	gtgctttgga	tccatttcca	tcggtcctta	120
cagccgctcg	tcagactcca	gcagccaaga	tggtgaagca	gatcgagagc	aagactgctt	180
ttcaggaagc	cttgagcgt	gcaggtgata	aacttgtagt	agttgacttc	tcagccacgt	240
ggtgtggggc	ttgcaaatg	atcaagcctt	tctttcattc	cctctctgaa	aagtattcca	300
acgtgatatt	ccttgaagta	gatgtggatg	actgtcagga	tggtgcttca	gagtgtgaag	360
tcaaatgcat	gccaacattc	cagtttttta	agaagggaca	aaagggtggg	gaattttctg	420
gagccaataa	ggaaaagctt	gaagccacca	ttaatgaatt	agtctaata	tgttttctga	480
aaatataacc	agccattggc	tatttaaaac	ttgtaatatt	tttaatttac	aaaaatataa	540
aatatgaaga	cataaaaccc	gttgccatct	gcgtgacaat	aaaacattaa	tgctaacact	600
t						601

<210> 134

<211> 421

<212> DNA  
<213> Homo sapien

<400> 134

tcacataaga	aatttaagca	agttacrccta	totttaaaaa	cacaacgaat	gcattttaat	60
agagaaaccc	ttccctccct	ccacctccct	ccccaccct	cctcatgaat	taagaatcta	120
agagaagaag	taaccataaa	accaagtttt	gtggaatcca	tcatccagag	tgcttacatg	180
gtgattaggt	taatattgcc	ttottacaaa	atttctat	taaaaaaaat	tataaccttg	240
attgcttatt	acaaaaaaat	tcagtacaaa	agttcaatat	attgaaaaat	gcttttcccc	300
tccctcacag	caccgtttta	tatatagcag	agaataatga	agagattgct	agtctagatg	360
gggcaatctt	caaattacac	caagacgcac	agtggtttat	ttaccctccc	cttctcataa	420
g						421

<210> 135  
<211> 511  
<212> DNA  
<213> Homo sapien

<400> 135

ggaaggatt	caagaattag	aggacttgct	tgctrragaa	aaagacaact	ctcgtcgcat	60
gctgacagac	aaagagagag	agatggcgga	aataagggat	caaatgcagc	aacagctgaa	120
tgactatgaa	cagcttcttg	atgtaaagtt	agccctggac	atggaaatca	gtgcttacag	180
gaaactctta	gaaggcgaag	aagagagggt	gaagctgtct	ccaagccctt	cttcccgtgt	240
gacagtatcc	cgagcatcct	caagtcgtag	tgtaccgtac	aactagagga	aagcggaaga	300
gggttgatgt	ggaagaatca	gaggcgaagt	agtagtggtta	gcatctctca	ttccgcctca	360
accactggaa	atgtttgcat	cgaagaaatt	gatgttgatg	ggaaatttat	cccgttgtaa	420
gaacacttct	gaacaggatc	aaccaatggg	aaggcttggg	agatgatcag	aaaaattgga	480
gacacatcag	tcagttataa	atatacctca	a			511

<210> 136  
<211> 341  
<212> DNA  
<213> Homo sapien

<400> 136

catgggtttc	accaggttgg	ccaggctgct	cttgaactsc	tgacctcagg	tgatccaccc	60
gcctcggcct	cccaaagtgc	tgggattaca	ggcgtgagcc	accacgcccg	gcccccaaag	120
ctgtttcttt	tgtcttttagc	gtaaagctct	cctgccatgc	agtatctaca	taactgacgt	180
gactgccagc	aagctcagtc	actccgtggg	ctttttctct	ttccagttct	tctctctctc	240
ttcaagttct	gcctcagtg	aagctgcagg	tccccagtta	agtgatcagg	tgagggttct	300
ttgaacctgg	ttctatcagt	cgaattaatc	cttcatgatg	g		341

<210> 137  
<211> 551  
<212> DNA  
<213> Homo sapien

<400> 137

gatgtgttgg	accctctgtg	tcaaaaaaaa	cctcacaaa	aatcccctgc	tcattacaga	60
agaagatgca	tttaaaatat	gggttat	caacttttta	tctgaggaca	agtatccatt	120
aattattgtg	tcagaagaga	ttgaataacct	gcttaagaag	cttacagaag	ctatgggagg	180
aggttggcag	caagaacaat	ttgaacatta	taaaatcaac	tttgatgaca	gtaaaaatgg	240
cctttctgca	tgggaactta	ttgagcttat	tggaaatgga	cagtttagca	aaggcatgga	300
ccggcagact	gtgtctatgg	caattaatga	agtctttaat	gaacttatat	tagatgtgtt	360
aaagcagggg	tacatgatga	aaaagggcca	cagacggaaa	aactggactg	aaagatgggt	420
tgtactaaaa	cccaacataa	tttcttacta	tgtgagtga	gatctgaagg	ataagaaagg	480
agacattctc	ttggatgaaa	attgctgtgt	agaagtcctt	gcctgacaaa	agatggaaag	540

aatgccttt t

551

<210> 138  
 <211> 531  
 <212> DNA  
 <213> Homo sapien  
 <220>  
 <221> misc\_feature  
 <222> (1)..(531)  
 <223> n = A,T,C or G

<400> 138

gactggttct	ttatttcaaa	aagacacttg	tcaatattca	gtrtcaaaac	agttgcacta	60
ttgattttct	ttttcccaa	tcggcccaa	agagaccaca	taaaaggaga	gtacatttta	120
agccaataag	ctgcaggatg	tacacctaac	agacctccta	gaaaccttac	cagaaaatgg	180
ggactgggta	gggaaggaaa	cttaaaagat	caacaaactg	ccagcccacg	gactgcagag	240
gctgtcacag	ccagatgggg	tggccagggt	gccacaaacc	caaagcaaag	tttcaaaata	300
atataaaatt	taaaaagttt	tgtacataag	ctattcaaga	tttctccagc	actgactgat	360
acaaagcaca	attgagatgg	cacttctaga	gacagcagct	tcaaaaccag	aaaaggggtga	420
tgagatgaag	tttcacatgg	ctaaatcagt	ggcaaaaaca	cagtcttctt	tctttctttc	480
tttcaaggan	gcaggaaaag	aattaagtgg	tcaccttaac	ataaggggga	c	531

<210> 139  
 <211> 521  
 <212> DNA  
 <213> Homo sapien  
 <220>  
 <221> misc\_feature  
 <222> (1)..(521)  
 <223> n = A,T,C or G

<400> 139

tgggtgggca	ccatggctgg	gatcaccacc	atcgaggcgg	tgaagcgcaa	gatccagggt	60
ctgcagcagc	aggcagatga	tgcagaggag	cgagctgagc	gcctccagcg	agaagttgag	120
ggagaaaagg	gggcccggga	acaggctgag	gctgaggtgg	cctccttgaa	ccgtaggatc	180
cagctggttg	aagaagagct	ggaccgtgct	caggagcgcc	tggccactgc	cctgcaaaaag	240
ctggaagaag	ctgaaaaagc	tgctgatgag	agtgagagag	gtatgaaggt	tattgaaaac	300
cgggccttaa	aagatgaaga	aaagatggaa	ctccaggaaa	tccaactcaa	agaagctaag	360
cacattgcag	aagaggcaga	taggaagtat	gaagaggtgg	ctcgtaagtt	ggtgatcatt	420
gaaggagact	tggaaaccga	cagaaggaac	gagcttgagc	ttggcaaaaag	tcccgttgcc	480
cagagatggg	atgaaccaga	ttagactgat	ggaccanaac	c		521

<210> 140  
 <211> 571  
 <212> DNA  
 <213> Homo sapien  
 <220>  
 <221> misc\_feature  
 <222> (1)..(571)  
 <223> n = A,T,C or G

<400> 140

aggggcngcg	ggtgcgtggg	ccactgggtg	accgacttag	cctggccaga	ctctcagcac	60
ctggaagcgc	cccagagatg	acagcgtgag	gctgggaggg	aggacttggc	ttgagcttgt	120

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taaactctgc tctgagcctc cttgtcgctt gcatttagat ggctcccgca aagaagggtg 180
gcgagaagaa aaagggcctt tctgccatca acgaagtggg aacccgagaa tacaccatca 240
acattcaciaa gcgcattccat ggagtgggct tcaagaagcg tgcacctcgg gactcaaaag 300
agattcggaa atttgccatg aaggagatgg gaactccaga tgtgcgcatt gacaccaggc 360
tcaacaaagc tgtctgggcc aaaggaataa ggaatgtgcc ataccgaatc cgggtgtgcgg 420
ctgtccagaa aacgtaatga ggatgaagat tcaccaaata agctatatac tttggttacc 480
tatgtacctg ttaccacttt caaaaatcta cagacagtca atgtggatga gaactaatcg 540
ctgatcgta gatcaataa agttataaaa t 571

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<210> 141
<211> 531
<212> DNA
<213> Homo sapien

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<400> 141
tcgggagcca cacttggccc tcttcctctc caaagsgcc aacctcctt ctctttggag 60
aatggggagg cctcttggag acacagaggg ttacacctt gatgacctt agagaaattg 120
cccaagaagc ccaccttctg gtcccaacct gcagaccca cagcagtcag ttggtcaggc 180
cctgctgtag aaggtcactt ggctccattg cctgcttcca accaatggg aggagagaag 240
gcctttatct ctcgccacc cattcctcct gtaccagcac ctccgttttc agtcagtgtt 300
gtccagcaac ggtaccgtt acacagtca ctcagacaca ccatttcacc tcccttgcca 360
agctgttagc cttagagtga ttgcagtga cactgtttac acaccgtgaa tccattcca 420
tcagtcatt ccagttggca ccagcctgaa ccatttggt cctggtgtta actggagtc 480
tgtttacaag gtggagtcgg ggcttgcctg cttctcttca tttgaggcca c 531

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<210> 142
<211> 491
<212> DNA
<213> Homo sapien

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<220>
<221> misc feature
<222> (1)...(491)
<223> n = A,T,C or G

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<400> 142
acctagacag aaggtgggtg agggaggact ggtaggaggc tgaggcaatt ccttggtagt 60
ttgtcctgaa accctactgg agaagtcagc atgaggcacc tactgagaga agtgcccaga 120
aactgctgac tgcactgtt aagagttaac agtaaaagg tagaagtgtg tttctgaatc 180
agagtggaa cgtctcaagg gtcccacagt ggaggtccct gagctacctc ccttccgtga 240
gtgggaagag tgaagcccat gaagaactga gatgaagcaa ggatggggtt cctgggctcc 300
aggcaagggc tgtgctctct gcagcaggga gcccacgag tcagaagaaa agaactaatc 360
atttgttgca agaaacctg cccggatact agcggaaaac tggaggcggn ggtgggggca 420
caggaaagtg gaagtgttt gatggagagc agagaagcct atgcacagtg gccgagtcca 480
cttgtaaaag t g 491

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<210> 143
<211> 515
<212> DNA
<213> Homo sapien

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<400> 143
ttcaagcaat tgtaacaagt atatgtagat tagagtgagc aaaatcatat acaattttca 60
tttccagttg ctattttcca aattgttctg taatgtcgtt aaaattactt aaaaattaac 120
aaagccaaaa attatattta tgacaagaaa gccatcccta cattaatctt acttttccac 180
tcaccggccc atctccttcc tcttttctcc aactatgcca ttaaaactgt tctactgggc 240
cgggcgtgtg gctcatgcct gtaatcccag cattttggga ggccaaggca ggcggatcat 300

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gagggtcaaga	gattgagacc	atcctggcca	acatggtgaa	accccgctc	gactaagaat	360
acaaaaatta	gctgggcatg	gtggggcatg	cctgtagct	cagctactcg	ggaggctgag	420
gcagaagaat	cgcttgaacc	cgggaggcag	aggatgcagt	gagccccgat	cgcgccactg	480
cactctagcc	tgggcgacag	actgagactc	tgctc			515

<210> 144  
 <211> 340  
 <212> DNA  
 <213> Homo sapien

<400> 144						
tgtgccagtc	tacaggccta	tcagcagcga	ctccttcagc	aacagatggg	gtcccctgtt	60
cagcccaacc	ccatgagccc	ccagcagcat	atgctcccaa	atcaggccca	gtccccacac	120
ctacaaggcc	agcagatccc	taattctctc	tccaatcaag	tgcgctctcc	ccagcctgtc	180
ccttctccac	ggccacagtc	ccagccccc	cactccagtc	cttccccaag	gatgcagcct	240
cagccttctc	cacaccacgt	ttccccacag	acaagttccc	cacatcctgg	actggtagtt	300
gcccaggcca	accccatgga	acaagggcac	tttgccagcc			340

<210> 145  
 <211> 630  
 <212> DNA  
 <213> Homo sapien

<400> 145						
tgtaaaaact	tgtttttaat	tttgtataaa	ataaagggtg	tccatgcccc	cgggggctgt	60
aggaaatcca	agcagaccag	ctgggggtgg	gggatgtagc	ctacctcggg	ggactgtctg	120
tcctcaaaac	gggctgagaa	ggcccgtcag	gggcccaggt	cccacagaga	ggcctgggat	180
actcccccaa	cccagagggc	agactgggca	gtggggagcc	cccatcgtgc	cccagaggtg	240
gccacaggct	gaaggagggg	cctgaggcac	cgcagcctgc	aacccccagg	gctgcagtcc	300
actaactttt	tacagaataa	aaggaacatg	gggatgggga	aaaaagcacc	aggtcaggca	360
gggcccagg	gccccagatc	ccaggagggc	caggactcag	gatgccagca	ccaccctagc	420
agctcccaca	gctcctggca	caggaggccg	ccacggattg	gcacaggccg	ctgctggcca	480
tcacgccaca	tttggaagac	ttgtcccgac	agaggtcagc	tgggaggagc	tcctcgtggg	540
cacacactgt	acgaacacag	atctccttgt	taatgacgta	cacacggcgg	aggctgcggg	600
gacagggcac	gggaggtctc	agccccactt				630

<210> 146  
 <211> 521  
 <212> DNA  
 <213> Homo sapien

<400> 146						
atggctgctg	gatttaggtg	gtaatagggg	ctgtgggcca	taaacttgaa	gccttgagaa	60
ccttgggtct	ggagagccat	gaagagggaa	ggaaaagagg	gcaagtcctg	aacctaacca	120
atgacctgat	ggattgctcg	accaagacac	agaagtgaag	tctgtgtctg	tgcacttccc	180
acagactgga	gtttttggtg	ctgaatagag	ccagttgcta	aaaaattggg	ggtttggtga	240
agaaatctga	ttgttggtg	tattcaatgt	gtgattttaa	aaataaacag	caacaacaat	300
aaaaaccctg	actggctgtt	ttttccctgt	attctttaca	actatttttt	gacctctga	360
aaattattat	acttcaccta	aatggaagac	tgctgtgttt	gtggaaattt	tgtaattttt	420
taatttattt	tattctctct	cctttttatt	ttgcctgcag	aatccgttga	gagactaata	480
aggcttaata	tttaattgat	ttgtttaata	tgtatataaa	t		521

<210> 147  
 <211> 562  
 <212> DNA  
 <213> Homo sapien

&lt;400&gt; 147

ggcatgcgag	cgcactcggc	ggacgcaagg	gcggcgqgga	gcacacggag	cactqcaqgc	60
gccgggttg	gacagcgtct	tcgctgctgc	tggatagtcg	tgttttcggg	gatcgaggat	120
actcaccaga	aaccgaaaat	gccgaaacca	atcaatgtcc	gagttaccac	catggatgca	180
gagctggagt	ttgcaatcca	gccaaataca	actggaaaac	agctttttga	tcaggtggta	240
aagactatcg	gcctccggga	agtgtggtac	tttgccctcc	actatgtgga	taataaagga	300
tttcctacct	ggctgaagct	ggataagaag	gtgtctgccc	aggaggtcag	gaaggagaat	360
cccctccagt	tcaagttccg	ggccaaagt	ctaccctgaa	gatgtggctg	aggagctcat	420
ccaggacatc	accagaaaac	ttttcttcct	tcaagtgaag	gaaggaatcc	ttagcgatga	480
gatctactgc	cccccttgar	actgccgtgc	tcttgggggtc	ctacgcttgt	gcatgcccaag	540
tttgggggact	accaccaaga	ag				562

&lt;210&gt; 148

&lt;211&gt; 820

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 148

gaaggagtgc	ggatactcag	cattgatgca	ccccaatttc	aaagcggcat	tcttcggcag	60
gtctctggga	caatctctag	ggtcactacc	tggaaactcg	ttagggtaca	actgaatgct	120
gaaaggaaaag	aacacctgca	gaaccggaca	gaaattcacc	ccggcgatca	gctgattgat	180
ctcggctgac	cagaagtcac	ggctaaagat	gacgaggacg	ttgtcaattc	cctgggcttt	240
tcgaagtgcg	tccagcagca	gtctgaggta	ttcggggccg	ttatgcacct	ggaccaccag	300
caccagctcc	cgggggggccc	aggtgccagc	cttatctaca	ttcctcaggg	tctgatcaaa	360
gttcagctgg	tacaccaggg	accggtaccg	cagcgtcagg	ttgtccgctc	gggctggggg	420
accgccggga	ccagggaagc	cgccgacacg	ttggagacct	tgcggatgcc	cacagccaca	480
gaggggtggt	ccccaccgcg	gccgccggca	ccccgcgcgc	gttcggcgctc	cagcaacggt	540
ggggcgaggg	cctcgttctt	cctttgtcgc	ccattgtcgc	tccagaggac	gaagccgcag	600
gcggccacca	cgagcgtcag	gattagcacc	ttccgtttgt	agatgcggaa	cctcatggctc	660
tccagggccg	ggagcgcagc	tacagctcga	gcctcgcgcg	cgccgctagg	agccgcggct	720
cggtctcgtc	tcgctcctct	ccattcagca	ccacgggtcc	cggaaaaagc	tcagccscgg	780
tcccaaccgc	accctagctt	cgttacctgc	gcctcgcttg			820

&lt;210&gt; 149

&lt;211&gt; 501

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 149

cagattttta	tttgcagtcg	tcactggggc	cgtttcttgc	tgcttatttg	tctgctagcc	60
tgctcttcca	gctgcatggc	caggcgcaag	gccttgatga	catctcgcag	ggctgagaaa	120
tgcttggtct	gctgggccag	agcagattcc	gctttgttca	caaaggctct	caggctcatag	180
tctggctgct	cggctcatctc	agagagctca	agccagctctg	gtccttgctg	tatgatctcc	240
ttgagctctt	ccatagcctt	ctcctccagc	tccctgatct	gagtcatggc	ttcgttaaag	300
ctggacatct	gggaagacag	ttcctcctct	tccttgata	aattgcctgg	aatcagcgcc	360
ccgttagagc	aggcttccat	ctcttctgtt	tccatttgaa	tcaactgctc	tccactgggc	420
ccactgtggg	ggctcagctc	cttgacctg	ctgcatact	taagggtggt	ttaaaggatat	480
tcacaggagc	ttatgcctgg	t				501

&lt;210&gt; 150

&lt;211&gt; 511

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(511)

<223> n = A,T,C or G

<400> 150

ctcctcttgg	tacatgaacc	caagttgaaa	gtggacttaa	caaagtatct	ggagaaccaa	60
gcattctgct	ttgactttgc	atttgatgaa	acagcttcga	atgaagttgt	ctacaggttc	120
acagcaaggc	cactggtaca	gacaatcttt	gaaggtggaa	aagcaacttg	ttttgcatat	180
ggccagacag	gaagtggcaa	gacacatact	atgggcgag	acctctctgg	gaaagcccag	240
aatgcatcca	aagggatcta	tgccatggcc	ttccgggacg	tcttcttctg	aagaatcaac	300
cctgctaccg	gaagttgggc	ctggaagtct	atgtgacatt	cttcgagatc	tacaatggga	360
agctgtttga	cctgctcaac	aagaaggcca	agcttgcgcg	tgctggaaga	cggcaagcaa	420
caggtgcaag	tggtgggggc	ttgcaggaac	atctggntaa	ctctgcttga	tgatggcant	480
caagatgatc	gacatgggca	gcgctgcag	a			511

<210> 151

<211> 566

<212> DNA

<213> Homo sapien

<400> 151

tcccgaattc	aagcgacaaa	ttggawagt	aaatggaaga	tgcctatcat	gaacatcagg	60
caaatctttt	gcgccaagat	ctgatgagac	gacaggaaga	attaagacgc	atggaagaac	120
ttcacaaatca	agaaatgcag	aaacgtaaa	aaatgcaatt	gaggcaagag	gaggaacgac	180
gtagaagaga	ggaagagatg	atgattcgtc	aacgtgagat	ggaagaacaa	atgaggcgcc	240
aaagagagga	aagttacagc	cgaatgggct	acatggatcc	acgggaaaga	gacatgcgaa	300
tggtgtggcg	aggagcaatg	aacatgggag	atccctatgg	ttcaggaggc	cagaaatttc	360
cacctctagg	aggtggtggt	ggcatagggt	atgaagctaa	tcctggcggt	ccaccagcaa	420
ccatgagtgg	ttccatgatg	ggaagtgaca	tgcgctactga	gcgctttggg	cagggagggtg	480
cggggcctgt	gggtggacag	ggtcctagag	gaatggggcc	tggaactcca	gcaggatatg	540
gtagagggag	agaagagtac	gaaggc				566

<210> 152

<211> 518

<212> DNA

<213> Homo sapien

<400> 152

ttcgtgaaga	ccctgactgg	taagaccatc	actctcgaag	tggagcccga	gtgacaccat	60
tgagaatgtc	aaggcaaaga	tccaagacaa	ggaaggcatc	cctcctgacc	agcakagggt	120
gatcttttgc	gggaaacagc	tggaagatgg	acgcaccctg	tctgactaca	acatccagaa	180
agagtccacc	ctgcacctgg	tgctccgtct	cagagggtgg	atgcaaatct	tcgtgaagac	240
cctgactggt	aagaccatca	ccctcgaggt	ggagcccagt	gacaccatcg	agaatgtcaa	300
ggcaaagatc	caagataagg	aaggcatccc	tcctgatcag	cagagggttg	tctttgctgg	360
gaaacagctg	gaagatggac	gcaccctgtc	tgactacaac	atccagaaag	agtccactct	420
gcacttggtc	ctgcgcttga	gggggggtgt	ctaagtttcc	cctttttaagg	tttcaacaaa	480
tttcattgca	ctttcccttc	aataaagttg	ttgcattc			518

<210> 153

<211> 542

<212> DNA

<213> Homo sapien

<400> 153

gcgcgggtgc	gtgggccaact	gggtgaccga	cttagcctgg	ccagactctc	agcacctgga	60
agcgccccga	gagtgcacgc	gtgaggctgg	gagggaggac	ttggcttgag	cttggttaaac	120
tctgctctga	gcctccttgt	cgctgcatt	tagatggctc	ccgcaaagaa	gggtggcgag	180
aagaaaaagg	gccgttctgc	catcaacgaa	gtggttaacc	gagaatacac	catcaacatt	240
cacaagcgca	tccatggagt	gggcttcaag	aagcgtgcac	ctcgggcact	caaagagatt	300

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cggaattttg ccatgaagga gatgggaact ccagatgtgc gcattgacac caggctcaac 360
aaagctgtct gggccaaagg aataaggaaat gtgccatacc gaatccgtgt gccgctgtcc 420
agaaaacgta atgaggatga agattcacca aataagctat atactttggt tacctatgta 480
cctgttacca ctttcaaaaa tctacagaca gtcaatgtgg atgagaacta atcgtctgac 540
gt 542

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<210> 154
<211> 411
<212> DNA
<213> Homo sapien

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<400> 154
aattctttat ttaaataaac aaactcatct tcctcaagcc ccagaccatg gtaggcagcc 60
ctccctctcc atccctcac cccacccctt agccacagtg aagggaatgg aaaatgagaa 120
gccacgaggg cccctgccag ggaaggctgc ccagatgtg tggtagcac agtcagtgc 180
gctgtggctg gggcagcagc tgccacaggc tcctccctat aaattaagtt cctgcagcca 240
cagctgtggg agaagcatac ttgtagaagc aaggccagtc cagcatcaga aggcagaggg 300
agcatcagtg actcccagcc atggaatgaa cggaggacac agagctcaga gacagaacag 360
gccaggggga agaaggagag acagaatagg ccaggggcatg gcggtgaggg a 411

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<210> 155
<211> 421
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(421)
<223> n = A,T,C or G

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<400> 155
tgatgaatct ggtggtgctg gcagtagccc gagatgatgg gctcttctct ggggatccca 60
actggttccc taagaaatcc aaggagaatc ctcggaactt ctcgataac cagctgcaag 120
agggcaagaa cgtgatcggg ttacagatgg gcaccaaccg cggggcgtct cangcaggca 180
tgactggcta cgggatgccg cgcagatcc tctgatccca cccagggcct tgcccctgcc 240
ctcccacgaa tggttaatat atatgtagat atatatttta gcagtgcacat tcccagagag 300
ccccagagct ctcaagctcc tttctgtcag ggtggggggg tcaagcctgt cctgtcacct 360
ctgaagtgcc tgctggcatc ctctcccca tgcttactaa tacattccct tcccatagc 420
c 421

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<210> 156
<211> 670
<212> DNA
<213> Homo sapien

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<400> 156
agcggagctc cctcccctgg tggctacaac ccacacacgc caggctcagg catcgagcag 60
aactccagcg actgggtaac cactgacatt cagggtgaagg tgcgggacac ctacctggat 120
acacaggtgg tgggacagac aggtgtcatc cgcagtgtca cggggggcat gtgctctgtg 180
tacctgaagg acagtgagaa ggttgtcagc atttccagtg agcacctgga gcctatcacc 240
cccaccaaga acaacaaggt gaaagtgatc ctgggcgagg atcgggaagc cacgggcgtc 300
ctactgagca ttgatggtga ggatggcatt gtccgtatgg accttgatga gcagctcaag 360
atcctcaacc tccgcttcct ggggaagctc ctggaagcct gaagcaggca gggccggtgg 420
acttcgtcgg atgaagagtg atcctccttc cttccctggc ccttggtctg gacacaagat 480
cctcctgcag ggctaggcgg attgttctgg atttcccttt gtttttcctt ttaggtttcc 540
atcttttccc tcctgggtgc tcattggaat ctgagtagag tctgggggag ggtcccacc 600
ttcctgtacc tcctcccac agcttgcttt tgttgtaccg tctttcaata aaaagaagct 660

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gtttggtcta

670

<210> 157  
 <211> 421  
 <212> DNA  
 <213> Homo sapien

&lt;400&gt; 157

ggttcacagc	actgctgctt	gtgtggtgcc	ggccaggaat	tccaggctca	caaggctatc	60
ttagcagctc	gttctccggt	ttttagtgcc	atgtttgaac	atgaaatgga	ggagagcaaa	120
aagaatcgag	ttgaaatcaa	tgatgtggag	cctgaagttt	ttaaggaaat	gatgtgcttc	180
atttacacgg	ggaaggctcc	aaacctcgac	aaaatggctg	atgatttgct	ggcagctgct	240
gacaagtatg	ccctggagcg	cttaaaggtc	atgtgtgagg	atgccctctg	cagtaacctg	300
tccgtggaga	acgtgcaga	aattctcatc	ctggccgacc	tccacagtgc	agatcagttg	360
aaaactcagg	cagtggattt	catcaactat	catgcttcgg	atgtcttgga	gacctcttgg	420
g						421

<210> 158  
 <211> 321  
 <212> DNA  
 <213> Homo sapien

&lt;400&gt; 158

tcgtagccat	ttttctgctt	ctttggagaa	tgacgccaca	ctgactgctc	attgtcgttg	60
gttccatgcc	aattggtgaa	atagaacctc	atccggtagt	ggagccggag	ggacatcttg	120
tcatcaacgg	tgatggtgcg	atttggagca	taccagagct	tggtgttctc	gccatacagg	180
gcaaagaggt	tgtgacaaaag	aggagagata	cggcatgcct	gtgcagccct	gatgcacagt	240
tcctctgctg	tgtactctcc	actgcccagc	cggaggggct	cctgttccga	cagatagaag	300
atcacttcca	cccctggctt	g				321

<210> 159  
 <211> 596  
 <212> DNA  
 <213> Homo sapien

&lt;400&gt; 159

tggcacactg	ctcttaagaa	actatgawga	tctgagattt	ttttgtgtat	gtttttgact	60
cttttgagtg	gtaatcatat	gtgtctttat	agatgtacat	acctccttgc	acaaatggag	120
gggaattcat	tttcatcact	gggagtgtcc	ttagtgtata	aaaaccatgc	tggtatatgg	180
cttcaagttg	taaaaatgaa	agtgacttta	aaagaaaata	ggggatggtc	caggatctcc	240
actgataaga	ctgtttttta	gtaacttaag	gacctttggg	tctacaagta	tatgtgaaaa	300
aatgagact	tactgggtga	ggaaattcat	tgtttaaaga	tggtcgtgtg	tgtgtgtgtg	360
tgtgtgtgtg	ttgtgttgtg	ttttgttttt	taaggaggag	aatttattat	ttaccgttgc	420
ttgaaattac	tgkgtaaata	tatgtytgat	aatgatttgc	tytttgvcm	ctaaaattag	480
gvctgtataa	gtwctaratg	cmtccctggg	kgttgatytt	ccmagatatt	gatgatamcc	540
cttaaaattg	taaccygcct	ttttcccttt	gctytcmttt	aaagtctatt	cmaaaag	596

<210> 160  
 <211> 515  
 <212> DNA  
 <213> Homo sapien

&lt;400&gt; 160

gggggttagc	tctttattag	acggttattg	ctgtactaca	gggtcagagt	gcagtgtaaag	60
cagtgtcaga	ggcccgcgtt	cagcccaaga	atgtggattt	tctctcccta	ttgatcacag	120
tgggtgggtt	tcttcagaaa	agccccagag	gcagggaacca	gtgagctcca	aggttagaag	180
tggaactgga	aggcttcagt	cacatgctgc	ttccacgctt	ccaggctggg	cagcaaggag	240

gagatgcccc	tgacgtgcc	ggtctcccca	tctgacacca	gtgaagtctg	gtaggacagc	300
agccgcacgc	ctgectctgc	caggaggcca	atcatggtag	gcagcattgc	agggtcagag	360
gtctgagtc	ggaataggag	caggggcagg	tccctgcgga	gaggcacttc	tggcctgaag	420
acagctccat	tgagcccctg	cagtacaggy	gtagtgcctt	ggaccaagcc	cacagcctgg	480
taagggggcg	ctgccagggc	cacggccagg	aggca			515

<210> 161  
 <211> 936  
 <212> DNA  
 <213> Homo sapien

<400> 161						
taattttctta	gtcgttttga	atccttaagc	atgcaaaagc	tttgaacaga	agggttcaca	60
aaggaaccag	ggttgtctta	tggcatccag	ttaagccaga	gctgggaatg	cctctgggtc	120
atccacatca	ggagcagaag	cacttgactt	gtcggctcctg	ctgccacggt	ttgggcgccc	180
accacgcccc	cgccacacct	gtcctcccct	gccgccacgt	cctgggcggc	caaggctccc	240
aaaattgatc	tccagctgag	acgttatatc	atttgctggc	ttccggaaat	gatggtccat	300
aaccgaatct	tcagcatgag	cctcttcact	ctttgattta	tgaagaacaa	atcccttctt	360
ccactgcccc	tcagcacctt	catttggttt	tccgatatta	aattctactt	ttgcccggtc	420
cttattttga	atagccttcc	actcatccaa	agtcactctc	tttgaccctc	cctcttttac	480
ctcttcaact	tcattctcct	tattttcagt	gtctgccact	ggatgatgtt	cttcaccttc	540
aggtgtttcc	tcagtcacat	ttgattgatc	caagtcagtt	aattcgtctt	tgacagtccc	600
ccagttgtga	gatccgctac	ctccacgttt	gtcctcgtgc	ttcaggccag	atctatcact	660
tcactatgca	ctatcaaatt	cacgtttgcc	acgagaatca	aatccatctc	ctcggcccat	720
tcacagtcga	cgccccctc	gacctcttcc	aagaccacca	cgacctcgaa	taggtcggtc	780
aataatcggg	ctatcaactg	aaaattcggc	tccttcaccc	ttttcttcaa	gtggcttttc	840
gaatcttcgt	tcacgaggtg	gtgcctttc	tggtcttcta	tcaattattt	tccttcaccc	900
ctgaagttgt	tgatcaggtc	ttcttccaac	togtgc			936

<210> 162  
 <211> 950  
 <212> DNA  
 <213> Homo sapien

<400> 162						
aagcggatgg	acctgagtca	gccgaatcct	agcccccttc	cttgggcctg	ctgtggtgct	60
cgacatcagt	gacagacgga	agcagcagac	catcaaggct	acgggaggcc	cggggcgctt	120
gcgaagatga	agtttggtcg	cctctccttc	cggcagcctt	atgctggctt	tgtcttaaat	180
ggaatcaaga	ctgtggagac	gcgctggcgt	cctctgctga	gcagccagcg	gaactgtacc	240
atcgccgtcc	acattgctca	cagggactgg	gaaggcagtg	cctgtcggga	gctgctgggtg	300
gagagactcg	ggatgactcc	tgtcagatt	caggccttgc	tcaggaaagg	ggaaaagttt	360
ggtcgaggag	tgatagcggg	actcgttgac	attggggaaa	ctttgcaatg	ccccgaagac	420
ttaaactccc	atgaggttgt	ggaactagaa	aatcaagctg	cactgaccaa	cctgaagcag	480
aagtacctga	ctgtgatttc	aaaccccagg	tggttactgg	agcccatacc	taggaaagga	540
ggcaaggatg	tattccaggt	agacatccca	gagcacctga	tccttttggg	gcatgaagtg	600
tgacaagtgt	gggtcctga	aaggaatgtt	ccrgagaaac	cagctaaatc	atggcacctt	660
caatttgcca	tcgtgacgca	gacctgtata	aattaggtta	aagatgaatt	tccactgctt	720
tgagagatcc	caccactaa	gcactgtgca	tgtaaacagg	ttcctttgct	cagatgaagg	780
aagtaggggg	tggggctttc	cttgtgtgat	gcctccttag	gcacacaggc	aatgtctcaa	840
gtactttgac	cttagggtag	aaggcaaagc	tgccagtaaa	tgtctcagca	ttgctgctaa	900
ttttggtcct	gctagtttct	ggattgtaca	aataaatgtg	ttgtagatga		950

<210> 163  
 <211> 475  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(475)  
 <223> n = A,T,C or G

<400> 163  
 tcgagcggcc gcccgggcag gtgtcggagt ccagcacggg aggcgtggtc ttgtagttgt 60  
 tctccggctg cccattgtc tcccactcca cggcgatgtc gctgggatag aagcctttga 120  
 ccaggcaggt caggctgacc tggttcttgg tcatctctc ccgggatggg ggcagggtgt 180  
 acacctgtgg ttctcggggc tgccttttgg ctttggagat ggttttctcg atgggggctg 240  
 ggagggcttt gttggagacc ttgcacttgt actccttgcc attcaaccag tcctgggtgca 300  
 ngacggtgag gacgctnacc acacggtacg ngctgggtga ctgctcctcc cgcggctttg 360  
 tcttggcatt atgcacctcc acgccgtcca cgtaccaatt gaacttgacc tcagggtcct 420  
 cgtggctcac gtccaccacc acgcatgtaa cctcaaanct cggncgcgan cacgc 475

<210> 164  
 <211> 476  
 <212> DNA  
 <213> Homo sapien

<400> 164  
 agcgtggctg cggccgaggt ctgaggttac atgcgtggtg gtggacgtga gccacgaaga 60  
 ccctgaggtc aagttcaact ggtacgtgga cggcgtggag gtgcataatg ccaagacaaa 120  
 gccgcgggag gagcagtaca acagcacgta ccgtgtggtc agcgtcctca ccgtcctgca 180  
 ccaggactgg ctgaatggca aggagtacaa gtgcaaggtc tccaacaaag ccctcccagc 240  
 ccccatcgag aaaaccatct ccaaagccaa agggcagccc cgagaaccac aggtgtacac 300  
 cctgccccca tcccgggagg agatgaccaa gaaccaggtc agcctgacct gcctgggtcaa 360  
 aggtttctat cccagcgaca tcgcccggtg agtgggagag caatgggcag ccggagaaca 420  
 actacaagac cacgcctccc gtgctggact ccgacacctg ccgggcggcc gctcga 476

<210> 165  
 <211> 256  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(256)  
 <223> n = A,T,C or G

<400> 165  
 agcgtgggtn cggccgaggt cccaaccaag gctgcancct ggatgccatc aaagtcttct 60  
 gcaacatgga gactggtgag acctgcgtgt acccactca gccagtggtg gccagaaga 120  
 actggtacat cagcaagaac cccaaggaca agaggcatgt ctggttcggc gagagcatga 180  
 ccgatggatt ccagttcgag tatggcggcc agggctccga ccctgccgat gtggacctgc 240  
 ccgggcggnc gctcga 256

<210> 166  
 <211> 332  
 <212> DNA  
 <213> Homo sapien

<400> 166  
 agcgtggctg cggccgaggt caagaacccc gccgcacct gccgtgacct caagatgtgc 60  
 cactctgact ggaagagtgg agagtactgg attgaccca accaaggctg caacctggat 120  
 gccatcaaag tcttctgcaa catggagact ggtgagacct gcgtgtacct cactcagccc 180  
 agtgtggccc agaagaactg gtacatcagc aagaaccccc aggacaagag gcatgtctgg 240

ttcggcgaga gcatgaccga tggattccag ttcgagtatg gcggccaggg ctccgaccct 300  
gcccgatgtg acctgcccgg gcggccgctc ga 332

<210> 167  
<211> 332  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(332)  
<223> n = A,T,C or G

<400> 167  
tcgagcggtc gcccgggcag gtccacatcg gcagggtcgg agccctggcc gccatactcg 60  
aactggaatc catcggnat gctctcgccg aaccagacat gcctcttgnc cttgggggttc 120  
ttgctgatgt accagntctt ctgggcacac ctgggctgag tgggggtacac gcagggtctca 180  
ccantctcca tggtgcanaa gactttgatg gcatccagggt tgcagccttg gttgggggtca 240  
atccagtact ctccactctt ccagacagag tggcacatct tgagggtcacg gcagggtgcgg 300  
gcgggggttct tgacctcggt cgcgaccacg ct 332

<210> 168  
<211> 276  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(276)  
<223> n = A,T,C or G

<400> 168  
tcgagcggcc gcccgggcag gtcctcctca gagcggtagc tgttcttatt gcccgggcag 60  
cctccataga tnaagttatt gcangagttc ctctccacgt caaagtacca gcgtgggaag 120  
gatgcacggc aaggcccagt gactgcgttg gcggtgcagt attcttcata gttgaacata 180  
tcgctggagt ggacttcaga atcctgcctt ctgggagcac ttgggacaga ggaatccgct 240  
gcattcctgc tggtggacct cggccgcgac cacgct 276

<210> 169  
<211> 276  
<212> DNA  
<213> Homo sapien

<400> 169  
agcgtggtcg cggccgaggt ccaccagcag gaatgcagcg gattcctctg tcccaagtgc 60  
tcccagaagg caggattctg aagaccactc cagcgatatg ttcaactatg aagaatactg 120  
caccgccaac gcagtcactg ggccttgccg tgcaccttc ccacgctggt actttgacgt 180  
ggagagggaac tcctgcaata acttcatcta tggaggctgc cggggcaata agaacagcta 240  
ccgctctgag gaggacctgc ccgggcggcc gctcga 276

<210> 170  
<211> 332  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature

<222> (1)...(332)

<223> n = A,T,C or G

<400> 170

tcgagcggcc	gcccgggcag	gtccacatcg	gcagggtcgg	agccctggcc	gccatactcg	60
aactggaatc	catcggtcat	gctctcgccg	aaccagacat	gcctcttgtc	cttgggggttc	120
ttgctgatgt	accagttctt	ctggggccaca	ctgggctgag	tgggggtacac	gcagggtctca	180
ccagtctcca	tgttgcagaa	gactttgatg	gcattccagg	tgcagccttg	gttgggggtca	240
atccagtact	ctccactctt	ccagccagaa	tggcacatct	tgaggtcacg	gcangtgcgg	300
gcgggggttct	tgacctcggc	cgcgaccacg	ct			332

<210> 171

<211> 333

<212> DNA

<213> Homo sapien

<400> 171

agcgtggctg	cggccgaggt	caagaaaccc	cgcgcgcacc	tgccgtgacc	tcaagatgtg	60
ccactctggc	tgaagagtg	gagagtactg	gattgacccc	aaccaaggct	gcaacctgga	120
tgccatcaaa	gtcttctgca	acatggagac	tgggtgagacc	tgccgtgtacc	ccactcagcc	180
cagtgtggcc	cagaagaact	ggtacatcag	caagaacccc	aaggacaaga	ggcatgtctg	240
gctcggcgag	agcatgaccg	atggattcca	gttcgagtat	ggcggccagg	gctccgaccc	300
tgccgatgtg	gacctgcccg	ggcggccgct	cga			333

<210> 172

<211> 527

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(527)

<223> n = A,T,C or G

<400> 172

agcgtggctg	cggccgaggt	cctgtcagag	tggcactggt	agaagntcca	ggaacctga	60
actgtaagg	ttcttcatca	gtgccaacag	gatgacatga	aatgatgtac	tcagaagtgt	120
cctgnaatgg	ggcccatgan	atggttgntc	gagagagagc	ttcttgtcct	acattcggcg	180
ggatgtggtc	tggcctatgc	cttatggggg	tggccgttgn	gggcgggtgng	gtccgcctaa	240
aaccatgttc	ctcaaagatc	atgtgttgcc	caacactggg	ttgctgacca	naagtgccag	300
gaagctgaat	accatttcca	gtgtcatacc	cagggtgggt	gacgaaagg	gtcttttgaa	360
ctgtggaagg	aacatccaag	atctctgntc	catgaagatt	ggggtgtgga	agggttacca	420
gttggggaag	ctcgtgtgtc	ttttccttcc	aatcangggc	tcgctcttct	gaatattctt	480
cagggcaatg	acataaattg	tatattcggt	tcccggttcc	aggccag		527

<210> 173

<211> 635

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(635)

<223> n = A,T,C or G

<400> 173

tcgagcggcc	gcccgggcag	gtccaccaca	cccaattcct	tgtctgtatc	atggcagccg	60
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ccacgtgcc  ggattaccgg  ctacatcatc  aagtatgaga  agcctggggtc  tcctcccaga  120
gaagtgggtcc  ctgggccccg  cctgggtgtc  acagaggcta  ctattactgg  cctggaaccg  180
ggaaccgaat  atacaattta  tgtcattggc  ctgaagaata  atcagaagag  cgagcccctg  240
attggaagga  aaaagacaga  cgagcttccc  caactggtaa  cccttccaca  ccccaatctt  300
catggaccag  agatcttggg  tgttccttcc  acagttcaaa  agaccctttt  cgtcaccac  360
cctgggtatg  aacttgaaa  tgggtattcag  cttcctggca  cttctgtgtca  gcaaccagt  420
gttgggcaac  aaatgatctt  tgangaacat  ggnttttaggc  ggaccacacc  ggccacaacg  480
ggcaccoccca  taaggcatag  gccaagaaca  taccgncga  atgtaggaca  agaagctctn  540
tctcanacaa  ncatctcatg  ggccccattc  cangacactt  ctgagtacat  canttcatgg  600
catcctggtg  gcactgataa  aaacccttac  agtta  635

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<210> 174
<211> 572
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(572)
<223> n = A,T,C or G

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<400> 174
agcgtgggtcg  cgggcgaggt  cctgtcagag  tggcactggt  agaagttcca  ggaaccctga  60
actgtaaggg  ttcttcatca  gtgccaacag  gatgacatga  aatgatgtac  tcagaagtgt  120
cctggaatgg  ggcccatgag  atggttgtct  gagagagagc  ttcttgtcct  acattcggcg  180
ggtatggtct  tggcctatgc  cttatggggg  tggcgttgt  gggcgtgtg  gtcgcgctaa  240
aaccatgttc  ctcaaagatc  atttggtgcc  caacactggg  ttgctgacca  gaagtgccag  300
gaagctgaat  accatttcca  gtgtcatacc  cagggtgggt  gacgaaagg  gtcttttgaa  360
ctgtggaagg  aacatccaag  atctctgtgc  catgaagatt  ggggtgtgga  agggttacca  420
gttggggaag  ctgctctgtc  tttttccttc  caatcanggg  ctgctctctc  tgattattct  480
tcagggaat  gacataaatt  gtatattcgg  ntcccgggt  cagccaataa  taataacct  540
ctgtgacacc  anggcggggc  cgaaggan  ct  572

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<210> 175
<211> 372
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(372)
<223> n = A,T,C or G

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<400> 175
agcgtgggtcg  cggccgaggt  cctcaccaga  ggtaccacct  acaacatcat  agtggaggca  60
ctgaaagacc  agcagaggca  taagggttcg  gaagaggttg  ttaccgtggg  caactctgtc  120
aacgaaggct  tgaaccaacc  tacggatgac  tcgtgctttg  acccctacac  agtttcccat  180
tatgcggttg  gagatgagtg  ggaacgaatg  tctgaatcag  gctttaaact  gttgtgccag  240
tgcttangct  ttggaagtgg  tcatttcaga  tgtgattcat  ctgatgggtg  ccatgacaat  300
ggtgtgaact  acaagattgg  agagaagtgg  gaccgtcagg  gagaaaatgg  acctgcccgg  360
gcggccgctc  ga  372

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<210> 176
<211> 372
<212> DNA
<213> Homo sapien

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<220>  
 <221> misc\_feature  
 <222> (1)..(372)  
 <223> n = A,T,C or G

<400> 176  
 tcgagcggcc gcccgggcag gtccattttc tccctgacgg tccacttct ctccaatctt 60  
 gtagttcaca ccattgtcat ggcaccatct agatgaatca catctgaaat gaccacttcc 120  
 aaagcctaag cactggcaca acagtttaaa gcctgattca gacattcgtt cccactcatc 180  
 tccaacggca taatgggaaa ctgtgtaggg gtcaaagcac gagtcatccg taggttggtt 240  
 caagccttcg ntgcagaggt tgcccacggg aacaacctct tcccgaacct tatgcctctg 300  
 ctggtctttc agtgccctca ctatgatgtt gtaggtggtg cctctggtga ggacctcggc 360  
 cgcgaccacg ct 372

<210> 177  
 <211> 269  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)..(269)  
 <223> n = A,T,C or G

<400> 177  
 agcgtggcgg cggccgaggt ccattggctg gaacggcatc aacttggaag ccagtgatcg 60  
 tctcagcctt ggttctccag ctaatggtga tggnggtctc agtagcatct gtcacacgag 120  
 cccttcttgg tgggctgaca ttctccagag tggtgacaac accctgagct ggtctgcttg 180  
 tcaaagtgtc cttaagagca tagacactca cttcatatct ggcnccacc ataagtctg 240  
 atacaaccac ggaatgacct gtcaggaac 269

<210> 178  
 <211> 529  
 <212> DNA  
 <213> Homo sapien

<400> 178  
 tcgagcggcc gcccgggcag gtcctcagac cgggttctga gtacacagtc agtgtggttg 60  
 ccttgacaga tgatatggag agccagcccc tgattggaac ccagtccaca gctattcctg 120  
 caccaactga cctgaagttc actcaggtca caccacaaag cctgagcgcc cagtggacac 180  
 cacccaatgt tcagctcact ggatatcgag tgcgggtgac cccaaggag aagaccggac 240  
 caatgaaaga aatcaacctt gtcctgaca gtcctccgt ggttgatca ggacttatgg 300  
 cggccaccaa atatgaagtg agtgtctatg ctcttaagga cactttgaca agcagaccag 360  
 ctgagggtgt tgtcaccact ctggagaatg tcagcccacc aagaagggt cgtgtgacag 420  
 atgtactga gaccaccatc accattagct ggagaaccaa gactgagacg atcactggct 480  
 tccaagtga tgccgttcca gccaatggac ctcggccgcg accacgctt 529

<210> 179  
 <211> 454  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)..(454)  
 <223> n = A,T,C or G

gagcggcc gcccgggcag gtccattttc tccctgacgg tccacttct ctccaatctt 60  
 gtagttcaca ccattgtcat ggcaccatct agatgaatca catctgaaat gaccacttcc 120  
 aaagcctaag cactggcaca acagtttaaa gcctgattca gacattcgtt cccactcatc 180  
 tccaacggca taatgggaaa ctgtgtaggg gtcaaagcac gagtcatccg taggttggtt 240  
 caagccttcg ntgcagaggt tgcccacggg aacaacctct tcccgaacct tatgcctctg 300  
 ctggtctttc agtgccctca ctatgatgtt gtaggtggtg cctctggtga ggacctcggc 360  
 cgcgaccacg ct 372

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<400> 179
agcgtggtcg cqqccqaqqt ctqcccqaac tgccagtgtg caggggaagat gtacatgtta      60
tagntcttct cgaagtcocg ggccagcagc tccacggggt ggtctcctgc ctccaggcgc      120
ttctcattct catggatctt cttcaccgcg agcttctgct tctcagtcag aagggtgttg      180
tcctcatccc tctcatacag ggtgaccagg acgttcttga gccagtcccg catgcgcagg      240
gggaattcgg tcagctcaga gtccaggcaa ggggggatgt atttgcaagg cccgatgtag      300
tccaagtgga gcttgtggcc cttcttggtg cctccaagg tgcactttgt ggcaaagaag      360
tggcaggaag agtcgaaggt cttgttgtca ttgtgtcaca cttctcaca ctcgccaatg      420
ggggctgggc agacctgccg gggcgccgcg tcga                                     454

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<210> 180
<211> 454
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(454)
<223> n = A,T,C or G

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<400> 180
tcgagcgccc gccggggcag gtctgcccag ccccatttgg cgagtttgag aaggngtgca      60
gcaatgacaa caagaccttc gactcttcct gccacttctt tgccacaaag tgcaccttgg      120
agggcaccaa gaaggccac aagctccacc tggactacat cgggccttgc aaatacatcc      180
ccccttgctt ggactctgag ctgaccgaat tccccctgcg catgcgggac tggctcaaga      240
acgtcctggt cacctgtat gagagggatg aggacaacaa cttctgact gagaagcana      300
agctgcgggt gaagaanac catgagaatg anaagcgctt gnaggcanga gaccaccccg      360
tggagctgct ggcccgggac ttcgagaaga actataacat gtacatcttc cctgtacact      420
ggcagttcgg ccagacctcg gccgcgacca cgct                                     454

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<210> 181
<211> 102
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(102)
<223> n = A,T,C or G

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<400> 181
agcgtggntg cggacgacgc ccacaaagcc attgtatgta gttttanttc agctgcaaan      60
aataaccncca gcatccacct tactaaccag catatgcaga ca                                     102

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<210> 182
<211> 337
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(337)
<223> n = A,T,C or G

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<400> 182
tcgagcggtc gccggggcag gtctgggcgg atagcaccgg gcatattttg gaatggatga      60
ggtctggcac cctgagcagc ccagcgagga cttggtctta gttgagcaat ttggctagga      120

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ggatagtatg cagcacgggt ctgagtcgtg gggatagctg ccatgaagna acctgaagga 180
ggcgctggct ggtanggggt gattacaggg ctgggaacag ctcgtaact tgcattctc 240
tgcatatact ggntagttag gcgagcctgg cgtcttctt tgcgctgagc taaagctaca 300
tacaatggct ttgnggacct cggccgcgac cagcgtt 337

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<210> 183
<211> 374
<212> DNA
<213> Homo sapien

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<400> 183
tcgagcggcc gccgggcag gtccatttct tccctgacgg tccacttct ctccaatctt 60
gtagttcaca ccattgtcat gacaccatct agatgaatca catctgaaat gaccacttcc 120
aaagcctaag cactggcaca acagtttaaa gcctgattca gacattcgtt cccactcatc 180
tccaacggca taatgggaaa ctgtgtaggg gtcaaagcac gagtcacccg taggttggtt 240
caagccttcg ttgacagaag ttgccacagg taacaacctc ttcccgaacc ttatgcctct 300
gctggtcttt caagtgcctc cactatgatg ttgtagggtg cacctctggt gaggacctcg 360
gccgcgacca cgct 374

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<210> 184
<211> 375
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(375)
<223> n = A,T,C or G

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<400> 184
agcgtggttt gcggccgagg tcctcaccan aggtgccacc tacaacatca tagtggaggg 60
actgaaagac cagcagaggc ataagggtcg ggaagagggt gttaccgtgg gcaactctgt 120
caacgaaggc ttgaaccaac ctacggatga ctcggtcttt gaccctaca cagnttccca 180
ttatgccgtt ggagatgagt gggaacgaat gtctgaatca ggctttaaac tgttggtgca 240
gtgcttancg tttggaagtg gtcatttcag atgtgattca tctanatggt gtcatgacaa 300
tggtgngaac tacaagattg gagagaagtg gnaccgtcag ggganaaaat ggacctgccc 360
ggcgccnccg ctcga 375

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<210> 185
<211> 148
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(148)
<223> n = A,T,C or G

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<400> 185
agcgtggctg cggccgaggt ctggttinct gctcangtga ttatcctgaa ccatccaggc 60
caaataagcg ccgctatgc ccctgnattg gattgccaca cggctcacat tgcatgcaag 120
tttgcctgag tgaaggaaaa gattgatc 148

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<210> 186
<211> 397
<212> DNA
<213> Homo sapien

```

<220>  
 <221> misc\_feature  
 <222> (1)...(397)  
 <223> n = A,T,C or G

<400> 186  
 tcgagcggcc gcccgggcag gtccaattga aacaaacagt tctgagaccg ttcttccacc 60  
 actgattaag agtggggngg cgggtattag ggataatatt catttagcct tctgagcttt 120  
 ctgggcagac ttggtgacct tgccagctcc agcagccttc tgggtccactg ctttgatgac 180  
 acccaccgca actgtctgtc tcatatcacg aacagcaaag cgacccaaag gtggatagtc 240  
 tgagaagctc tcaacacaca tgggcttgcc aggaaccata tcaacaatgg gcagcatcac 300  
 cagacttcaa gaatttaagg gccatcttcc agctttttac cagaacggcg atcaatcttt 360  
 tccttcagct cagcaaactt gcatgcaatg tgagccg 397

<210> 187  
 <211> 584  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(584)  
 <223> n = A,T,C or G

<400> 187  
 tcgagcggcc gcccgggcag gtccagaggg ctgtgctgaa gtttgcctgt gccactggag 60  
 ccactccaat tgctggccgc ttcactcctg gaaccttcac taaccagatc caggcagcct 120  
 tccgggagcc acggcttctt gtggnctactg accccagggc tgaccaccag cctctcacgg 180  
 aggcattcta tgtaacctta cctaccattg cgctgtgtaa cacagattct cctctgcgct 240  
 atgtggacat tgccatccca tgcaacaaca agggagctca ctcagngggg tttgatgtgg 300  
 tggatgctgg ctcggaagt tctgcgcattg cgtggcacca tttcccgatga acacccatgg 360  
 gangncatgc ctgatctgga cttctacaga gatcctgaag agattgaaaa agaagaacag 420  
 gctgnttgct ganaaagcaa gtgaccaagg angaaatttc angggtgaaa nggactgctc 480  
 ccgtccctga attcactgct actcaacctg angntgcaga ctggtcttga agngnacan 540  
 gggccctctg ggcctattta agcancttcg gtcgcgaaca cgnt 584

<210> 188  
 <211> 579  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(579)  
 <223> n = A,T,C or G

<400> 188  
 agcgtgngtc gcggccgagg tgctgaatag gcacagaggg cacctgtaca cttcagacc 60  
 agtctgcaac ctcaggctga gtagcagtga actcaggagc gggagcagtc cattcaccct 120  
 gaaattcctc cttggncact gccttctcag cagcagcctg ctcttctttt tcaatctctt 180  
 caggatctct gtagaagtac agatcaggca tgacctcca tgggtgttca cgggaaatgg 240  
 tgccacgcgt gcgcagaact tcccagacca gcatccacca catcaaacc actgagttag 300  
 ctcccttggt gttgcatggg atgggcaatg tccacatagc gcagaggaga atctgtgtta 360  
 cacagcgcaa tggtaggttag gttaacataa gatgcctccg cgagaagctg gtggtcagcc 420  
 ctggggtcaa gtaaccacaa gaagccgtgg ctcccgaag gctgcctgga tctggttagt 480  
 gaaggntcca ggagtgaagc ggccaacaat tggagtggct tcagtggcaa gcagcaaact 540

tcagcacaag ccctctggac ctgcccggcg gccgctcga

579

<210> 189  
 <211> 374  
 <212> DNA  
 <213> Homo sapien  
 <220>  
 <221> misc\_feature  
 <222> (1)...(374)  
 <223> n = A,T,C or G

<400> 189

tcgagcggcc	gccggggcag	gtccattttc	tcctgaecg	ncccaattct	ctccaatctt	60
gtagttcaca	ccattgtcat	ggcaccatct	agatgaatca	catctgaaat	gaccacttcc	120
aaagcctaag	cactggcaca	acagtttaaa	gcctgattca	gacattcggt	cccactcatc	180
tccaacggca	taatgggaaa	ctgtgtaggg	gtcaaagcac	gagtcacccg	taggttggtt	240
caagccttcg	ttgacagagt	tgcccacggg	aacaacctcn	tccccgaacc	ttatgcctct	300
gctgggcttt	cagngcctcc	actatgatgn	tgtagggggg	cacctctggn	gangacctcg	360
gccgcgacca	cgct					374

<210> 190  
 <211> 373  
 <212> DNA  
 <213> Homo sapien  
 <220>  
 <221> misc\_feature  
 <222> (1)...(373)  
 <223> n = A,T,C or G

<400> 190

agcgtggtcg	cggccgaggt	cctcaccaga	ggtgccacct	acaacatcat	agtggaggca	60
ctgaaagacc	agcagaggca	taaggctcgg	gaagagggtg	ttaccgtggg	caactctgtc	120
aacgaaggct	tgaaccaacc	tacggatgac	tcgtgctttg	accctacac	agtttcccat	180
tatgccgttg	gagatgagt	ggaacgaatg	tctgaatcag	gctttaaact	gttgtgccag	240
tgcttangct	ttggaagtgg	gtcatttcag	atgtgattca	tctagatggt	gccatgacaa	300
tggnngaac	tacaagattg	gagagaagt	gnaccgncag	ggagaaaatg	gacctgccc	360
ggcgccgct	cga					373

<210> 191  
 <211> 354  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(354)  
 <223> n = A,T,C or G

<400> 191

agcgtggtcg	cggccgaggt	ccacatcggc	agggtcggag	ccctggccgc	catactcgaa	60
ctggaatcca	tcggtcatgc	tctcgccgaa	ccagacatgc	ctcttgtcct	tggggttctt	120
gctgatgtac	cagttcttct	gggccacact	gggtgagt	gggtacacgc	aggtctcacc	180
agtctccatg	ttgcagaaga	ctttgatggc	atccaggntg	caaccttggt	tggggtaaat	240
ccagtactct	ccactcttcc	agccagagt	gcacatcttg	aggtcacggc	aggtgcggnc	300
gggggntttt	gcggctgccc	tctggncttc	ggntgtntct	natctgctgg	ctca	354

<210> 192  
 <211> 587  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(587)  
 <223> n = A,T,C or G

<400> 192

tcgagcggcc	gcccgggcag	gtctcgcggt	cgcactgggtg	atgctgggtcc	tgttggtccc	60
cccggccctc	ctggacctcc	tggccccct	ggctctccca	gcgctggttt	cgacttcagc	120
ttctgcccc	agccacctca	agagaaggct	cacgatgggtg	gccgctacta	ccgggctgat	180
gatgccaatg	tggttcgtga	cogtgacctc	gaggtggaca	ccaccctcaa	gagcctgagc	240
cagcagatcg	agaacatccg	gagcccagag	ggcagncgca	agaaccccg	ccgcacctgc	300
cgtgacctca	agatgtgcca	ctctgactgg	aagagtggag	agtactggat	tgaccccaac	360
caagctgcaa	cctggatgcc	atcaaagtct	tctgcaacat	ggagactggt	gagacctgcg	420
tgtacccac	tcagcccagt	gtggcccaaa	agaactggta	catcagcaag	aacccaag	480
acaagaagca	tgtctggttc	ggcgagaaca	tgaccgatgg	attccagttc	gagtatggcg	540
ggcagggctc	cgacctgcc	gatggggacc	ttggccgcga	acacgct		587

<210> 193  
 <211> 98  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(98)  
 <223> n = A,T,C or G

<400> 193

agcgtggng	cggccgaggt	ataaatatcc	agnccatata	ctccctccac	acgctganag	60
atgaagctgt	ncaaagatct	caggggtggan	aaaaccat			98

<210> 194  
 <211> 240  
 <212> DNA  
 <213> Homo sapien

<400> 194

tcgagcggcc	gcccgggcag	gtccttcaga	cttgactgt	gtcacactgc	caggttcca	60
gggctccaac	ttgcagacgg	cctgttggtg	gacagtctct	gtaatcgga	aagcaaccat	120
ggaagacctg	ggggaaaaca	ccatggtttt	atccacctg	agatctttga	acaacttcac	180
ctctcagcgt	gcggaggag	gctctggact	ggatatttct	acctcggccg	cgaccacgct	240

<210> 195  
 <211> 400  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(400)  
 <223> n = A,T,C or G

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<400> 195
cgagcgggag accgggcagg tncagactcc aatccanana accatcaagc cagatgtcag      60
aagctacacc atcacagggt tacaaccagg cactgactac aaganctacc tgcacacctt     120
gaatgacaat gctcggagct cccctgtggt catcgacgcc tccactgcca ttgatgcacc     180
atccaacctg cgtttccttg ccaccacacc caattccttg ctggtatcat ggcagccgcc     240
acgtgccagg attaccggtg catcatcnag tatganaagc ctgggcctcc tcccagagaa     300
gnggtccctc ggccccgccc tgntgtccca naggntacta ttactgngcc ngcaaccggc     360
aaccgatatc nattttgnca ttggccttca acaataatta                               400

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<210> 196

<211> 494

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(494)

<223> n = A,T,C or G

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<400> 196
agcgtggttc gcggccgang tctgtcaga gtggcactgg tagaagttcc aggaaccctg      60
aactgtaagg gttcttcac agngccaaca ggatgacatg aaatgatgta ctcagaagtg     120
tcttggaatg gggcccatga gatggttgtc tgagagagag cttcttgncc tgtctttttc     180
cttccaatca ggggctcgct cttctgatta ttcttcaggg caatgacata aattgtatat     240
tcgggtcccg gntccaggcc agtaatagta ncctctgtga caccaggggc gngccgaggg     300
accacttctc tgggaggaga cccaggcttc tcatacttga tgatgtaacc ggtaatcctg     360
gcacgtggcg gctgccatga taccagcaag gaattggggg gtggtggcca ggaaacgcag     420
gttgatggn gcatcaatgg cagtggaggc cgtcgatgac cacaggggga gctccgacat     480
tgtcattcaa ggtg                               494

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<210> 197

<211> 118

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(118)

<223> n = A,T,C or G

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<400> 197
agcgtggncg cggccgaggt gcagcgcggg ctgtgccacc ttctgtcttc tgcccaacga      60
taaggagggt ncctgcccc aggagaacat taactntccc cagctcggcc tctgccgg      118

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<210> 198

<211> 403

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(403)

<223> n = A,T,C or G

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<400> 198
tcgagcggcc gccgggcag gtttttttg ctgaaagtgg ntactttatt ggntgggaaa      60

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gggagaagct gtggctcagcc caagagggaa tacagagncc cgaaaaaggg gagggcaggt      120
gggctggaac cagacgcagg gccaggcaga aactttctct cctcactgct cagcctgggt      180
gtggctggag ctcanaaatt gggagtgaca caggacacct tcccacagcc attgcggcgg      240
catttcatct ggccaggaca ctggctgtcc acctggcact ggtcccgaca gaagcccag      300
ctggggaaaag ttaatgttca cctgggggca ggaaccctcc ttatcattgn gcagagagca      360
gaaggtggca cagcccgcgc tgcacctcgg ccgcgaccac gct                                403

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<210> 199

<211> 167

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(167)

<223> n = A,T,C or G

<400> 199

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tcgagcggcc gcccgggcag gtccaccata agtcctgata caaccacgga tgagctgtca      60
ggagcaaggt tgatttcttt cattgggtccg gnccttctct tgggggncac ccgcactcga      120
tatccagtga gctgaacatt ggggtggcgtc cactggggcg tcaggct                    167

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<210> 200

<211> 252

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(252)

<223> n = A,T,C or G

<400> 200

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tcgagcgggt cgcccgggca ggtccaccac acccaattcc ttgctggtat catggcagcc      60
gccacgtgcc aggattaccg gctacatcat caagtatgag aagcctgggt ctctcccag      120
agaagcggtc cctcggtccc gcctgggtgt cacagaggct actattactg gcctggaacc      180
gggaaccgaa tatacaattt atgtcattgn cctgaagaat aatcannaan agcgancccc      240
tgattggaag ga                                                    252

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<210> 201

<211> 91

<212> DNA

<213> Homo sapien

<400> 201

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agcgtgggtc cggccgaggt tgtacaagct tttttttttt tttttttttt tttttttttt      60
tttttttttt tttttttttt tttttttttt t
                                                    91

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<210> 202

<211> 368

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(368)

<223> n = A,T,C or G

&lt;400&gt; 202

tcgagcggnc	gcccgggcag	gtctgccaac	accaagattg	gccccgcg	catccacaca	60
gtccgtgtgc	ggggaggtaa	caagaaatac	cgtgccctga	ggttggacgt	ggggaatttc	120
tcttggggct	cagagtgttg	tactcgtaaa	acaaggatca	tcgatgttgt	ctacaatgca	180
tctaataacg	agctggttcg	taccaagacc	ctggtgaaga	attgcatcgt	gctcatcgac	240
agcacaccgt	accgacagt	gtacgagtc	cactatgcgc	tgcccctggg	ccgcaagaag	300
ggagccaagc	tgactcctga	ggaagaagag	attttaaaca	aaaaacgatc	taanaaaaaa	360
aaaacaat						368

&lt;210&gt; 203

&lt;211&gt; 340

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 203

agcgtggtcg	cggccgaggt	gaaatggtat	tcagcttcct	ggcacttctg	gtcagcaacc	60
cagtgttggg	caacaaatga	tctttgagga	acatggtttt	aggcggacca	caccgcccac	120
aacggccacc	cccataaggc	ataggccaag	accatacccg	ccgaatgtag	gacaagaagc	180
tctctctcag	acaaccatct	catgggcccc	attccaggac	acttctgagt	acatcatttc	240
atgtcatcct	gttggcactg	atgaagaacc	cttacagttc	agggttcctg	gaactttctac	300
cagtgccact	ctgacaggac	ctgcccgggc	ggcgcctcga			340

&lt;210&gt; 204

&lt;211&gt; 341

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 204

tcgagcggcc	gcccgggcag	gtcctgtcag	agtggcactg	gtagaagttc	caggaaccct	60
gaactgtaag	ggttcttcat	cagtccaac	aggatgacat	gaaatgatgt	actcagaagt	120
gtcctggaat	ggggcccatg	agatggttgt	ctgagagaga	gcttcttgtc	ctacattcgg	180
cgggtatggt	cttggcctat	gccttatggg	ggtggccgtt	gtgggcggtg	tggccgcct	240
aaaacatgt	tcctcaaaga	tcatttggtg	cccaacactg	ggttgctgac	cagaagtgcc	300
aggaagctga	ataccatttc	acctcgcccg	cgaccacgct	a		341

&lt;210&gt; 205

&lt;211&gt; 770

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(770)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 205

tcgagcggcc	gcccgggcag	gtctcccttc	ttgcggccca	ggggcagcgc	atagtgggac	60
tcgtaccact	gtcgttacg	tgtgctgtcg	atgagcacga	tgcaattcct	caccagggtc	120
ttggtacgaa	ccagctcggt	attagatgca	ttgtagacaa	catcgatgat	ccttgtttta	180
cgagtacaac	actctgagcc	ccaggagaaa	ttccccacgt	ccaacctcag	ggcacggtat	240
ttcttggtac	ctcccgcac	acggactgtg	tggatgcggc	gggggccaag	ctgactcctg	300
aggaagaaga	gattttaaac	aaaaaacgat	ctaaaaaat	tcagaagaaa	tatgatgaaa	360
ggaaaaagaa	tgccaaaatc	agcagtctcc	tggaggagca	gttccagcag	ggcaagcttc	420
ttgctgcat	cgcttcaagg	ccgggacagt	gtgaccgagc	agatggctat	gtgctagagg	480
gcaaagaagt	ggagtcttat	cttaagaaaa	tcaggggcca	gaatggtgng	tcttcaacta	540
atccaaaagg	gagtttcaga	ccagtgaat	cagcaaaaac	attgatactg	ntggccaaat	600

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ttattggtgc agggcttgca cantangann ggctgggtct tggggcttgg attggnacaa 660
gcittggcag ccttttcttt ggttttgcca aaaacctttt gntgaagang anacctnggg 720
cggacccttt aaccgattcc acnccngngg gcgttctang gncccncttg 770

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<210> 206
<211> 810
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)..(810)
<223> n = A,T,C or G

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<400> 206
agcgtggtcg cggccgaggt ctgctgcttc agcgaagggt ttctggcata accaatgata 60
aggctgccaa agactgttcc aataccagca ccagaaccag ccactcctac tgttgcaaga 120
cctgcaccaa taaatttggc agcagtatca atgtctctgc tgattgcaact ggtctgaaac 180
tcccttttga ttagctgaga cacaccattc tgggccttga ttttcctaag atagaactcc 240
aactctttgc cctctagcac atagccatct gctcggtcac actgtcccgg ccttgaagcg 300
atgcacgcaa gaagcttgcc ctgctggaac tgctcctcca ggagactgct gattttggca 360
ttctttttcc ttctcatcata ttctctctga atttttttag atcgtttttt gtttaaaatc 420
tcttcttctc caggagtcag cttggccccc gccgcatcca cacagtccgt gtgcggggag 480
gtaacaagaa ataccgtgcc ctgaggttgg acgtggggaa tttctcctgg ggtcagagt 540
ggtgtactcg taaaacaagg atcatcgatg gtgnctacaa tgcattctaat aacgagctgg 600
gtcggaccca aagaacctgg ngaanaaatg gatcgntcca tcgacaggac accgtaccgg 660
acagggnac gantcccact atgcgcttgc ccctggggcg caanaaagga aaactgcccg 720
ggcggccntc gaaagcccaa ttntggaaaa aatccatcac actggngggc cngtcgagca 780
tgcatntana ggggccattt cccctnann 810

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<210> 207
<211> 257
<212> DNA
<213> Homo sapien

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<400> 207
tcgagcggcc gcccgggcag gtccccaacc aaggctgcaa cctggatgcc atcaaagtct 60
tctgcaacat ggagactggt gagacctgcg tgtacccac tcagcccagt gtggcccaga 120
agaactggtc catcagcaag aaccccaagg acaagaggca tgtctggttc ggcgagagca 180
tgaccgatgg attccagttc gagtatggcg gccagggtc cgaccctgcc gatgtggacc 240
tcggccgcga ccacgct 257

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<210> 208
<211> 257
<212> DNA
<213> Homo sapien

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<400> 208
agcgtggtcg cggccgaggt ccacatcggc agggctcgag ccctggccgc catactcgaa 60
ctggaatcca tcggtcatgc tctcgccgaa ccagacatgc ctcttgtcct tggggttctt 120
gctgatgtac cagttcttct gggccacact gggctgagtg gggtagacgc aggtctcacc 180
agtctccatg ttgcagaaga ctttgatggc atccaggttg cagccttggt tggggacctg 240
cccgggcggc cgctcga 257

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<210> 209
<211> 747
<212> DNA

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<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(747)

<223> n = A,T,C or G

<400> 209

tcgagcggcc	gcccgggcag	gtccaccaca	cccaattcct	tgctggtatc	atggcagccg	60
ccacgtgcc	ggattaccgg	ctacatcatc	aagtatgaga	agcctgggtc	tcctcccaga	120
gaagtgggtc	ctcgcccccg	ccctggtgtc	acagaggcta	ctattactgg	cctggaaccg	180
ggaaccgaat	atacaattta	tgctattgcc	ctgaagaata	atcagaagag	cgagcccctg	240
attggaagga	aaaagacaga	cgagcttccc	caactggtaa	cccttcacac	ccccaatctt	300
catggaccag	agatcttgga	tgctccttcc	acagttcaaa	agaccctttt	cgtaaccac	360
cctgggtatg	acactggaaa	tggtattcag	cttcctggca	cttctggtca	gcaaccagt	420
gttgggcaac	aaatgatctt	tgaggaacat	ggntttagtc	ggaccacacc	gcccacaacg	480
gccaccccca	taaggcatag	gccaagacca	taccgcgga	atgtaggaca	agaagctntn	540
tntcanacac	catntnatgg	gccccattcc	aggacacttc	tgagtacatc	atttatgnca	600
tctgtggcac	ttgatgaaaa	cccttacagt	tcagggttct	ggaactttta	ccaggcctnt	660
tacaggactn	ggccggacnc	cttaagccna	ttncaccctg	gggcgttcta	nggtcccaact	720
cgnnactg	ngaaaatggc	tactgtn				747

<210> 210

<211> 872

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(872)

<223> n = A,T,C or G

<400> 210

agcgtggtcg	cggccgaggt	ccactagagg	tctgtgtgcc	attgcccagg	cagagtctct	60
gcgttacaaa	ctcctaggag	ggcttgctgt	gcggagggcc	tgctatggtg	tgctgcggtt	120
catcatggag	agtggggcca	aaggctgcga	ggttggtgtg	tctgngaaac	tccnaggaca	180
ngagggtctaa	attccatgaa	gtttgtggat	ggcctgatga	tccacaatcg	gagaccctgt	240
taactactac	cgtctnaccn	cctgctgtnc	nccccnttt	ctgctnaana	catngggntn	300
ntncttgnc	ntccttggtg	ngaanatnna	atngcctncc	cnttctnanc	ntactngnt	360
ccananttgg	cctttaaana	atccnccttg	ccttnnnac	tggtcanntn	tttnntcgta	420
aaccctatna	nttnnattan	atnntnnnnn	nctcaccctc	ctentcattn	ancnatang	480
ctnnnaantc	cttnanncct	ccnccccnt	ncnctentac	tnantncttc	tnnccccatta	540
cnnagctctt	tcntttaana	taatgnngcc	nngetctnca	tntctacnat	ntgnnaatn	600
ccccncccc	cnancgnntt	tttgacctnn	naacctcctt	tcctcttccc	tncnnaaatt	660
ncnnanttcc	ncnttcennc	nttcggntn	ntcccatnct	ttccannnct	tcantctanc	720
ncnctncaac	ttattttcct	ntcatccctt	nttctttaca	nnccccctnn	tctactcnn	780
nnntncatta	natttgaaac	tnccacnnct	anttnccctn	ctctacnntt	ttattttncg	840
ntcnctctac	ntaatanttt	aatnanttnt	cn			872

<210> 211

<211> 517

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(517)

<223> n = A,T,C or G

<400> 211

tcgagcggcc	gcccgggag	gtctgccaa	gagaccctgt	tatgctgtgg	ggactggctg	60
gggcatggca	ggcggtctg	gcttcccacc	cttctgttct	gagatggggg	tggtgggcag	120
tatctcatct	ttgggttcca	caatgtcac	gtggtcaggc	aggggcttct	tagggccaat	180
cttaccagtt	gggtcccagg	gcagcatgat	cttcaccttg	atgccagca	caccctgtct	240
gagcaacacg	tggcgacaaa	gcagtgtcaa	cgtagtaagt	taacagggtc	tcgctgtgg	300
atcatcaggc	catccacaaa	cttcatggat	ttagccctct	gtcctcggag	tttcccagac	360
accacaacct	cgcagccttt	ggccccactc	tccatgatga	accgcagcac	accatagcag	420
gccctccgca	caagcaagcc	ctcctaagaa	tttgtaacgc	ananactctg	ctggcaatgg	480
cacacaaacc	tctagtggac	ctcggncgcg	accacgc			517

<210> 212

<211> 695

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)..(695)

<223> n = A,T,C or G

<400> 212

tcgagcggcc	gcccgggag	gtctgggtcca	ggatagcctg	cgagtcctcc	tactgctact	60
ccagacttga	catcatatga	atcatactgg	ggagaatagt	tctgaggacc	agtagggcat	120
gattcacaga	ttccaggggg	gccaggagaa	ccaggggacc	ctgggtgtcc	tggaatacca	180
gggtcaccat	ttctcccagg	aataccagga	gggcctggat	ctcccttggg	gccttgaggt	240
ccttgaccat	taggagggag	agtaggagca	ggtggaggct	gtgggcaaac	tgacaaacat	300
totccaaatg	gaatttctgg	gttggggcag	tctaattctt	gatccgtcac	atattatgtc	360
atcgagaga	acggatcctg	agtcacagac	acataatttg	catggttctg	gcttccagac	420
atctctatcc	gncataggac	tgaccaagat	gggaacatcc	tccttcaaca	agcttnctgt	480
tgtgccaaaa	ataatagtgg	gatgaagcag	accgagaagt	anccagctcc	cctttttgca	540
caaagcntca	tcatgtctaa	atatcagaca	tgagacttct	ttgggcaaaa	aaggagaaaa	600
agaaaaagca	gttcaaagta	nccnccatca	agttggttcc	ttgccccttc	agcaccgggg	660
ccccgttata	aaacacctng	ggccggaccc	ccctt			695

<210> 213

<211> 804

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)..(804)

<223> n = A,T,C or G

<400> 213

agcgtggctg	cggccgaggt	gttttatgac	gggcccgggtg	ctgaagggca	gggaacaact	60
tgatgggtgct	actttgaact	gcttttcttt	tctccttttt	gcacaaagag	tctcatgtct	120
gatatttaga	catgatgagc	tttgtgcaaa	aggggagctg	gctacttctc	gctctgttcc	180
atcccactat	tattttggca	caacaggaag	ctggtgaagg	aggatgttcc	catcttggtc	240
agtccctatgc	ggatagagat	gtctggaagc	cagaaccatg	ccaaatatgt	gtctgtgact	300
caggatccgt	tctctgcgat	gacataatat	gtgacgatca	agaattagac	tgcccccaacc	360
cagaaattcc	atcttgagaa	tggtgtgcag	tttgcccaca	gcctccaact	gctcctactc	420
gccctcctaa	tggtcaagga	cctcaaggcc	ccaaggggaga	tccaggccct	cctggtattc	480
ctgggagaaa	tggtgaccct	ggtattccag	gacaaccagg	gtcccctggt	tctcctggcc	540

```

ccccctggaat cngngngaate atgccctact ggtcctcaaa ctattctccc anatgattca      600
tatgatgtca agtctqqqat aqcnagtang ganggactcg caggctattc tggaccanac      660
ctgccggggg ggcgttcgaa agcccgaatc tgcannntn cnttcacact ggcggccgctc      720
gagctgcttt aaaagggccca ttccncttt agnngggggg antacaatta ctnggcggcg      780
ttttanancg cngnctggg aaat      804

```

```

<210> 214
<211> 594
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(594)
<223> n = A,T,C or G

```

```

<400> 214
agcgtggctcg cgcccgaggt ccacatcggc agggctcggag ccctggccgc catactcgaa      60
ctggaatcca tcggtcatgc tctcgccgaa ccagacatgc ctctgtcct tggggttctt      120
gctgatgtac cagttcttct gggccacact gggctgagtg ggtacacgc aggtctcacc      180
agtctccatg ttgcagaaga ctttgatggc atccaggttg cagccttggg tggggtaaat      240
ccagtactct ccaactcttc agtcagagtg gcacatcttg aggtcacggc aggtgcgggc      300
ggggttcttg cggtgccct ctgggctccg gatgttctcg atctgctggc tcaggctctt      360
gaggggtggg tccacctcga ggtcacggtc acgaaccaca ttggcatcat cagcccggta      420
gtagcggccca ccatcgtag ccttctcttg angtggtgg ggcaggaact gaagtcgaaa      480
ccagcgctgg gaggaccagg gggaccaana ggtccaggaa gggcccggg gggaccaaca      540
ggaccagcat caccaagtgc gaccgcgag aacctgccc gccgnccgct cgaa      594

```

```

<210> 215
<211> 590
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(590)
<223> n = A,T,C or G

```

```

<400> 215
tcgagcgnnc gcccgggcag gtctcgcggt cgcactgggtg atgctgggtc tgttggtccc      60
cccggccctc ctggacctcc tggteccctt ggtcctcca gcgctggtt cgacttcagc      120
ttctgcccc agccacctca agagaaggct cacgatggtg gccgctacta ccgggctgat      180
gatgccaatg tggttcgtga ccgtgacctc gaggtggaca ccacctcaa gagcctgagc      240
cagcagatcg agaacatccg gagcccagag ggcagccgca agaaccgcc ccgcacctgc      300
cgtgacctca agatgtgcca ctctgactgg aagagtggag agtactggat tgacccaac      360
caaggctgca acctggatgc catcaaagtc ttctgcaaca tggagactgg tgagacctgc      420
gtgtaccca ctcagcccag tgtggcccag aagaactggt acatcagcaa gaacccaag      480
gacaagaggc atgtctggtt cggcgagagc atgaccgatg gattccagtt cgagtatggc      540
ggccagggct cccacctgc cgatgtggac ctccggccgc gaccacctt      590

```

```

<210> 216
<211> 801
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature

```

<222> (1)...(801)  
 <223> n = A,T,C or G

<400> 216

tngagcggcc	gcccgggcag	gntgnnaacg	ctggtcctgc	tggtcctcct	ggcaaggctg	60
gtgaagatgg	tcaccctgga	aaacccggac	gacctggtga	gagaggagtt	gttgaccac	120
aggggtgctc	tggtttccct	ggaactcctg	gacttcctgg	cttcaaaggc	attaggggac	180
acaatggtct	ggatggattg	aagggacagc	ccggtgctcc	tggtgtgaag	ggtgaacctg	240
gtgcccctgg	tgaaaatgga	actccaggtc	aaacaggagc	ccgtgggctt	cctggtgaga	300
gaggaccgtg	ttggtgcccc	tgccccanac	ctcggccgcg	accacgctaa	gcccgaattt	360
ccagcacact	ggnggccgtt	actantggat	ccgagctcgg	taccaagctt	ggcgtaatca	420
tggtcatagc	tgtttcctgn	gtgaaattgt	tatccgctca	caatttcaca	cancatacga	480
agccggaaa	cataaagtgt	aaagccttgg	ggtgctaagt	agtgaactaa	ctcncattaa	540
attgcgttgc	gctcactgcc	cgcttttcca	nnngggaaac	cntggcntng	ccngcttgc	600
ttaantgaaa	tccgccnacc	cccggggaaa	agncggtttg	cngtattggg	gcnccttttc	660
cctttcctcg	gnttacttga	nttantgggc	tttgncgnt	tcgggttgng	gcgancnggt	720
tcaacntcac	nccaaaggng	gnaanacggt	tttccanaa	tccgggggnt	ancccaangn	780
aaaacatnng	ncnaangggc	t				801

<210> 217

<211> 349

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(349)

<223> n = A,T,C or G

<400> 217

agcgtggttn	gcggccgagg	tctgggccag	gggcaccaac	acgtcctctc	tcaccaggaa	60
gcccacgggc	tcctgtttga	cctggagttc	cattttcacc	aggggcacca	ggttcaccct	120
tcacaccagg	agcaccgggc	tgcccttcca	atccatncag	accattgtgn	cccctaattc	180
ctttgaagcc	aggaagtcca	ggagttccag	ggaaaccacc	gagcaccctg	tggtccaaca	240
actcctctct	caccaggctc	tccgggtttt	ccagggtgac	catcttcacc	agccttgcca	300
ggaggaccag	caggaccagc	gttaccaacc	tgcccgggcg	gccgctcga		349

<210> 218

<211> 372

<212> DNA

<213> Homo sapien

<400> 218

tcgagcggcc	gcccgggcag	gtccattttc	tccctgacgg	tcccacttct	ctccaatttt	60
gtagttcaca	ccattgtcat	ggcaccatct	agatgaatca	catctgaaat	gaccacttcc	120
aaagcctaag	cactggcaca	acagtttaaa	gcctgattca	gacattcggt	cccactcatc	180
tccaacggca	taatgggaaa	ctgtgtaggg	gtcaaagcac	gagtcacccg	taggttggtt	240
caagccttcg	ttgacagagt	tgcccacggt	aacaacctct	tcccgaacct	tatgcctctg	300
ctggtctttc	agtgcctcca	ctatgatgtt	gtaggtggca	cctctggtga	ggacctcggc	360
cgcgaccacg	ct					372

<210> 219

<211> 374

<212> DNA

<213> Homo sapien

<400> 219

```

agcgtggctcg cggccgaggt cctcaccaga ggtgccacct acaacatcat agtggaggca      60
ctgaaagacc agcagaggca taaggttcgg gaaqaqqtg ttaccgtggg caactctgtc      120
aacgaaggct tgaaccaacc tacggatgac tcgtgctttg acccctacac agtttcccat      180
tatgccgttg gagatgagtg ggaacgaatg tctgaatcag gctttaaact gttgtgccag      240
tgcttaggct ttggaagtgg tcatttcaag atgtgattca tctagatggt gccatgacaa      300
tggtgtgaac tacaagattg gagagaagtg ggaccgtcag ggagaaaatg gacctgcccg      360
ggccggccgc tcga                                     374

```

<210> 220

<211> 828

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(828)

<223> n = A,T,C or G

<400> 220

```

tcgagcggnnc gcccgggcag gtccagtagt gccttcggga ctgggttcac cccaggtct      60
gcggcagttg tcacagcgcc agcccgcgtg gcctccaaag catgtgcagg agcaaattggc      120
accgagatat tccttctgcc actgttctcc tacgtggtat gtcttcccat catcgtaaca      180
cgttgccctca tgagggtcac acttgaattc tccttttccg ttcccaagac atgtgcagct      240
catttggtcg gctctatagt ttggggaaag tttgttgaaa ctgtgccact gacctttact      300
tcctccttct ctactggagc ttctgtacct tccacttctg ctgttggtta aatggtggat      360
cttctatcaa tttcattgac agtaccact tctcccaaac atccagggaa atagtgtatt      420
cagagcgatt aggagaacca aattatgggg cagaaataag gggcttttcc acaggttttc      480
ctttggagga agatttcagt ggtgacttta aaagaatact caacagtgtc ttcaccccca      540
tagcaaaaga agaaaacngta aatgatggaa ngcttctgga gatgccnnca ttaaggggac      600
ncccagaact tcacatcta caggacctac ttcagtttac annaagncac atantctgac      660
tcanaaagga cccaagtagc nccatggnc gcacttttag cctttccctt ggggaaaann      720
ttacnttctt aaancctngg ccnngacccc cttaagncca aattntggaa aanttcctn      780
cnctggtggg gcngtctnac atgcntttta agggcccaat tncccnt      828

```

<210> 221

<211> 476

<212> DNA

<213> Homo sapien

<400> 221

```

tcgagcggcc gcccgggcag gtgtcggagt ccagcacggg aggcgtggtc ttgtagtgt      60
tctccggtcg cccattgctc tcccactcca cggcgatgtc gctgggatag aagcctttga      120
ccaggcaggt caggctgacc tggttcttgg tcatctctc ccgggatggg ggcagggtgt      180
acacctgtgg ttctcggggc tgcccttttg ctttgagat ggttttctcg atgggggctg      240
ggagggtttt gttggagacc ttgcacttgt actccttgcc attcagccag tctgtgtgca      300
ggacggtgag gacgtgacc acacggtacg tgctgttgta ctgctcctcc cgcggctttg      360
tcttggcatt atgcacctcc acgcgtcca cgtaccagt gaacttgacc tcagggtctt      420
cgtggctcac gtccaccacc acgcatgtaa cctcagacct cggccgcgac cacgct      476

```

<210> 222

<211> 477

<212> DNA

<213> Homo sapien

<400> 222

```

agcgtggctcg cggccgaggt ctgagggttac atgcgtggtg gtggacgtga gccacgaaga      60
ccctgaggctc aagttaact ggtacgtgga cggcgtggag gtgcataatg ccaagacaaa      120

```

```

gccgcgggag gagcagtaca acagcacgta ccgtgtggtc agcgtcctca ccgtcctgca 180
ccaggactgg ctgaatggca aggagtacaa gtgcaaggtc tccaacaaag cctcccagc 240
ccccatcgag aaaaccatct ccaaagccaa agggcaagcc ccgagaacca caggtgtaca 300
ccctgcccc atcccgggag gagatgacca agaaccaggt cagcctgacc tgcttggtca 360
aaggcttcta tcccagcgac atcgccgtgg agtgggagag caatgggcag ccggagaaca 420
actacaagac cagcctccc gtgtgggact ccgacacctg cccggggcgc cgctcga 477

```

```

<210> 223
<211> 361
<212> DNA
<213> Homo sapien

```

```

<400> 223
tcgagcggcc gcccgggcag gttgaatggc tcctcgctga ccaccccggt gctgggtggtg 60
ggtacagagc tccgatgggt gaaaccattg acatagagac tgtccctgtc caggggtgtag 120
gggcccagct cagtgtatgcc gtgggtcagc tggctcagct tccagtacag ccgtctctctg 180
tccagtccag ggcttttggg gtcaggacga tgggtgcaga cagcatccac tctggtggct 240
gccccatcct tctcaggcct gagcaaggtc agtctgcaac cagagtacag agagctgaca 300
ctgggtgttct tgaacaaggg cataagcaga ccctgaagga cacctcggcc gcgaccacgc 361
t

```

```

<210> 224
<211> 361
<212> DNA
<213> Homo sapien

```

```

<400> 224
agcgtggtcg cggccgaggt gtccttcagg gtctgcttat gcccttgctc aagaacacca 60
gtgtcagetc tctgtactct ggttgacagc tgaccttgcct caggcctgag aaggatgggg 120
cagccaccag agtggatgct gtctgcaccc atcgctcctga ccccaaaagc cctggactgg 180
acagagagcg gctgtactgg aagctgagcc agctgaccca cggcatcact gagctgggcc 240
cctacaccct ggacagggac agtctctatg tcaatggttt caccatcggg agctctgtac 300
ccaccaccag caccggggtg gtcagcgagg agccattcaa cctgcccggg cggccgctcg 361
a

```

```

<210> 225
<211> 766
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(766)
<223> n = A,T,C or G

```

```

<400> 225
agcgtggtcg cggccgaggt cctgtcagag tggcactggt agaagttcca ggaaccctga 60
actgtaaggg ttcttcacaa gtgccaacag gatgacatga aatgatgtac tcagaagtgt 120
cctggaatgg ggcccatgag atggttgctc gagagagagc ttcttgctct acattcggcg 180
ggtatggtct tggcctatgc ctatggggg tggccgttgt gggcgggtgtg gtccgcctaa 240
aaccatgttc ctcaaagatc atttgttgcc caacactggg ttgctgacca gaagtgccag 300
gaagctgaat accatttcca gtgtcatacc caggggtgggt gacgaaaggg gtcttttgaa 360
ctgtggaagg aacatccaag atctctggtc catgaagatt ggggtgtgga aggggttacc 420
gttggggaag ctgctctgtc ttttctctc caatcagggg ctgctctctc tgattattct 480
tcagggcaat gacataaatt gtatattcgg tcccggttcc aggccagtaa tagtagctc 540
tgtgacacca gggcggggcc gagggaccct tctnttgaa gagaccagct tctcatactt 600
gatgatgagn ccggtaatcc tggcacgtgg nggttgcatg atnccaccaa ggaaatnggn 660

```

```

gggggnggac ctgcccggcg gccgttcnaa agcccaattc cacacacttg gnggccgtac 720
tatggatccc actcngtcca acttgngnga atatggcata actttt 766

```

```

<210> 226
<211> 364
<212> DNA
<213> Homo sapien

```

```

<400> 226
tcgagcggcc gcccgggcag gtccttgacc ttttcagcaa gtgggaaggt gtaatccgtc 60
tccacagaca aggccaggac tcgtttgtac ccgttgatga tagaatgggg tactgatgca 120
acagttgggt agccaatctg cagacagaca ctggcaacat tgcggacacc ctccaggaag 180
cgagaatgca gagtctctc tgtgatatca agcacttcag ggtttagat gctgccattg 240
tcgaacacct gctggatgac cagcccaaag gagaaggggg agatgttgag catgttcagc 300
agcgtggctt cgctggtcc cactttgtct ccagtctga tcagacctcg gccgcgacca 360
cgct 364

```

```

<210> 227
<211> 275
<212> DNA
<213> Homo sapien

```

```

<400> 227
agcgtggctg cggccgaggt ctgtcctaca gtctcagga ctctactccc tcagcagcgt 60
ggtgaccgtg ccctccagca acttcggcac ccagacctac acctgcaacg tagatcacia 120
gccagcaac accaaggtgg acaagagagt tgagcccaa tcttgtgaca aaactcacac 180
atgccaccg tgcccagcac ctgaactcct ggggggaccg tcagtcttcc tcttccccg 240
catccccctt ccaaacctgc ccgggcggcc gctcg 275

```

```

<210> 228
<211> 275
<212> DNA
<213> Homo sapien

```

```

<400> 228
cgagcggccg cccgggcagg tttggaaggg ggatgcgggg gaagaggaag actgacggtc 60
cccccgag ttcaggtgct ggacacggtg ggcattgtgt agttttgtca caagatttgg 120
gctcaactct cttgtccacc ttggtgttgc tgggcttgtg atctacgttg caggtgtagg 180
tctgggtgcc gaagttgctg gagggcacgg tcaccacgct gctgaggagg tagagtcctg 240
aggactgtag gacagacctc ggccgcgacc acgct 275

```

```

<210> 229
<211> 40
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(40)
<223> n = A,T,C or G

```

```

<400> 229
nggnnggtcc ggnncngncag gaccactcnt ctctgaaata 40

```

```

<210> 230
<211> 208
<212> DNA

```

<213> Homo sapien

<400> 230

agcgtggtcg	cgcccgaggt	cctcacttgc	ctcctgcaaa	gcaccgatag	ctgcgctctg	60
gaagcgcaga	tctgttttaa	agtccgtgagc	aatttctcgc	accagacgct	ggaagggaag	120
tttgcgatc	agaagttcag	tggacttctg	ataacgtcta	atttcacgga	gcgccacagt	180
accaggacct	gcccgggagg	ccgctcga				208

<210> 231

<211> 208

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(208)

<223> n = A,T,C or G

<400> 231

tcgagcggcc	gcccgggag	gtcctggtac	tgnggcgctc	cgtgaaatta	gacgttatca	60
gaagtccact	gaacttctga	ttcgcaaaact	tcccttccag	cgtctggtgc	gagaaattgc	120
tcaggacttt	aaaacagatc	tgcgcttcca	gagcgcagct	atcgggtgctt	tgcaggaggc	180
aagtgaggac	ctcggccgag	accacgct				208

<210> 232

<211> 332

<212> DNA

<213> Homo sapien

<400> 232

tcgagcggcc	gcccgggag	gtccacatcg	gcagggtcgg	agccctggcc	gccatactcg	60
aactggaatc	catcggtcat	gctctcgccg	aaccagacat	gcctcttgct	cttgggggtc	120
ttgctgatgt	accagttctt	ctgggccaca	ctgggctgag	tgggggtacac	gcagggtctca	180
ccagtctcca	tgttgacagaa	gactttgatg	gcattccagg	tgcagccttg	gttgggggtca	240
atccagtact	ctccactctt	ccagtcagag	tggcacatct	tgaggtcacg	gcagggtcgg	300
gcgggggtct	tgacctcgcc	cgcgaccacg	ct			332

<210> 233

<211> 415

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(415)

<223> n = A,T,C or G

<400> 233

gtgggnttga	accnttttna	ntccgcttg	gtaccgagct	cggatccact	agtaacggcc	60
gccagtgtgc	tgaatttcgg	cttagcgtgg	tcggggccga	ggtcaagaac	cccggccgca	120
cctgccgtga	cctcaagatg	tgccactctg	actggaagag	tggagagtac	tggattgacc	180
ccaaccaagg	ctgcaacctg	gatgccatca	aagtcttctg	caacatggag	actggtgaga	240
cctgcgtgta	ccccactcag	cccagtggtg	cccagaagaa	ctgggtacac	agcaagaacc	300
ccaaggacaa	gaggcatgtc	tggttcggcg	agagcatgac	cgatggattc	cagttcagat	360
atggcgccca	gggctccgac	cctgccgatg	tggacctgcc	cgggcggccg	ctcga	415

<210> 234



<211> 776  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(776)  
 <223> n = A,T,C or G

<400> 234

agcgtggtcg	cggccgaggt	ctgggatgct	cctgctgtca	cagtgaagata	ttacaggatc	60
acttacggag	aaacaggagg	aaatagccct	gtccaggagt	tcactgtgcc	tgggagcaag	120
tctacagcta	ccatcagcgg	ccttaaacct	ggagttgatt	ataccatcac	tgtgtatgct	180
gtcactggcc	gtggagacag	ccccgcaagc	agcaagccaa	tttccattaa	ttaccgaaca	240
gaaattgaca	aacctatcca	gatgcaagt	accgatgttc	aggacaacag	cattagtgtc	300
aagtggctgc	cttcaagtgc	ccctgttact	ggttacagag	taaccaccac	tcccaaaaat	360
ggaccaggac	caacaaaaac	taaaactgca	ggtccagatc	aaacagaaat	gactattgaa	420
ggcttgacgc	ccacagtggg	gtatgtggtt	aagtgtctat	gctcagaatc	caagcggaga	480
gaagtcaacc	tctggttcag	actgnaagta	accaacattg	atcgccataa	ggactggcat	540
tcactgatgn	ggatgccgat	tccatcaaaa	ttgnttggga	aaaccacag	gggcaagttt	600
ncangtcnag	gnggacctac	tcgagccctg	aggatggaat	ccttgactnt	tccttnnctt	660
gatggggaaa	aaaaaccttn	aaaacttgaa	ggacctgccc	gggcggccgt	ncaaaaccca	720
attccacccc	cttgggggag	ttctatgggn	cccactcgga	ccaaacttgg	ggtaan	776

<210> 235  
 <211> 805  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(805)  
 <223> n = A,T,C or G

<400> 235

tcgagcggcc	gcccgggcag	gtccttgacg	ctctgcagtg	tcttcttcac	catcagggtgc	60
agggaatagc	tcattggattc	catcctcagg	gctcagatag	gtcaccctgt	acctggaaac	120
ttgcccctgt	gggctttccc	aagcaatttt	gatggaatcg	gcatccacat	cagtgaatgc	180
cagtccttta	gggcgatcaa	tgttggttac	tgcagtctga	accagaggct	gactctctcc	240
gcttggtatc	tgagcataga	cactaaccac	atactccact	gtgggctgca	agccttcaat	300
agtcatttct	gtttgatctg	gacctgcagt	tttagttttt	gttggtcctg	gtccattttt	360
gggagtggtg	gttactctgt	aaccagtaac	aggggaactt	gaaggcagcc	acttgacact	420
aatgctgttg	tcctgaacat	cggtcacttg	catctgggat	ggtttgtcaa	tttctgttcg	480
gtaattaatg	gaaattggct	tgctgcttgc	ggggcttgct	tccacggcca	gtgacagcat	540
acacagtgat	ggtataatca	actccaggtt	taagccgctg	atggtagctg	aaactttgct	600
ccaggcacaa	gtgaactcct	gacagggtta	tttccnctg	ttctccgtaa	gtgatcctgt	660
aatatctcac	tgggacagca	ggangcattc	caaaacttgc	ggcnggaccc	cctaagccga	720
attntgcaat	atncatcaca	ctggcgggag	ctcgancatt	cattaaaagg	cccaatcncc	780
cctataggga	gtntantaca	attng				805

<210> 236  
 <211> 262  
 <212> DNA  
 <213> Homo sapien

<400> 236

tcgagcggcc	gcccgggcag	gtcacttttg	gtttttggct	atgttcgggt	ggtcaaagat	60
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aaaaactaag tttgagagat gaatgcaaag gaaaaaaata ttttccaaag tccatgtgaa 120
attgtctccc atttttttgg cttttqaqqg gggttcagttt gggttgcttg tctgtttccg 180
ggttgggggg aaagtgggtt ggggtgggag gagccaggtt gggatggagg gagtttacag 240
gaagcagaca gggccaacgt cg 262

```

```

<210> 237
<211> 372
<212> DNA
<213> Homo sapien

```

```

<400> 237
agcgtggtcg cggccgaggt cctcaccaga ggtgccacct acaacatcat agtggaggca 60
ctgaaagacc agcagaggca taaggttcgg gaagagggtt ttaccgtggg caactctgtc 120
aacgaaggct tgaaccaacc tacggatgac tctgtctttg acccctacac agtttcccat 180
tatgccgttg gagatgagtg ggaacgaatg tctgaatcag gctttaaact gttgtgccag 240
tgcttaggct ttggaagtgg tcatttcaga tgtgattcat ctagatgggt ccatgacaat 300
ggtgtgaact acaagattgg agagaagtgg gaccgtcagg gagaaaatgg acctgcccgg 360
gcggccgctc ga 372

```

```

<210> 238
<211> 372
<212> DNA
<213> Homo sapien

```

```

<400> 238
tcgagcggcc gcccgggcag gtccattttc tccctgaagg tcccacttct ctccaatctt 60
gtagttcaca ccattgtcat ggcaccatct agatgaatca catctgaaat gaccacttcc 120
aaagcctaag cactggcaca acagtttaaa gcctgattca gacattcgtt cccactcate 180
tccaacggca taatgggaaa ctgtgtaggg gtcaaagcac gagtcatccg taggttggtt 240
caagccttcg ttgacagagt tgcccacggt aacaacctct tcccgaacct tatgcctctg 300
ctggtctttc agtgctcca ctatgatgtt gtaggtggca cctctggtga ggacctcggc 360
cgcgaccacg ct 372

```

```

<210> 239
<211> 720
<212> DNA
<213> Homo sapien

```

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<220>
<221> misc_feature
<222> (1)...(720)
<223> n = A,T,C or G

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```

<400> 239
tcgagcggcc gcccgggcag gtccaccata agtcctgata caaccacgga tgagctgtca 60
ggagcaaggc tgatttcttt cattggtccg gtcttctcct tgggggtcac ccgcactcga 120
tatccagtga gctgaacatt ggggtgtgtc cactgggcgc tcaggcttgt ggggttgacc 180
tgagtgaact tcaggtcagt tgggtgcagg atagtgggta ctgcagtctg aaccagaggc 240
tgactctctc cgtttggatt ctgagcatag aactaacca catactccac tgtgggctgc 300
aagccttcaa tagtcatttc tgtttgatct ggacctgcag ttttagtttt tgttggctct 360
ggtccatttt tgggagtggg ggttactctg taaccagtaa caggggaact tgaaggcagc 420
cacttgacac taatgctgtt gtcctgaaca tcggctcactt gcatctggga tggtttgnca 480
atttctgttc ggtaattaat ggaaattggc ttgctgcttg cggggctgtc tccacggcca 540
gtgacagcat acacagngat ggnatnatca actccaagtt taaggccctg atggtaactt 600
taaacttgct cccagccagn gaacttccgg acagggtatt tcttctggtt ttccgaaagn 660
gancctggaa tnntctcctt ggancagaag gancntccaa aacttggggc ggaacccctt 720

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<210> 240  
 <211> 691  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)..(691)  
 <223> n = A,T,C or G

<400> 240  
 agcgtggtcg cggccgaggt cctgtcagag tggcactggt agaagttcca ggaaccctga 60  
 actgtaaggg ttcttcatca gtgccaacag gatgacatga aatgatgtac tcagaagtgt 120  
 cctggaatgg ggcccatgag atggttgtct gagagagagc ttcttgcctt acattcggcg 180  
 ggtatggtct tggcctatgc cttatggggg tggcgttgtg gggcgggtgtg gtccgcctaa 240  
 aaccatgttc ctcaaagatc atttgttgcc caacactggg ttgctgacca gaagtgccag 300  
 gaagctgaat accattttcca gtgtcatacc caggggtggg gacgaaaggg gtcttttgaa 360  
 ctgtggaagg aacatccaag atctctggtc catgaagatt ggggtgtgga agggttacca 420  
 gttggggaag ctgctctgtc tttttccttc caatcagggg ctgctctctc tgattattct 480  
 tcagggcaat gacataaatt gtatattcgg ttcccgggtc caggccagta atagtagcct 540  
 cttgtgacac caggcggggc ccanggacca cttctctggg angagacca gcttctcata 600  
 cttgatgatg taaccgggta atcctgcacg tggcggctgn catgatacca ncaaggaatt 660  
 ggggtgngng gacctgcccg gcggccctcn a 691

<210> 241  
 <211> 808  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)..(808)  
 <223> n = A,T,C or G

<400> 241  
 agcgtggtcg cggccgaggt ctgggatgct cctgctgtca cagtgaagata ttacaggatc 60  
 acttacggag aaacaggag aaatagccct gtccaggagt tcaactgtgc tgggagcaag 120  
 tctacagcta ccatcagcgg ccttaaacct ggagttgatt ataccatcac tgtgtatgct 180  
 gtcactggcc gtggagacag ccccgaagc agcaagccaa tttccattaa ttaccgaaca 240  
 gaaattgaca aaccatccca gatgcaagt accgatgttc aggacaacag cattagtgtc 300  
 aagtggctgc cttcaagttc ccctgttact gggtacagag taaccaccac tcccaaaaat 360  
 ggaccaggac caacaaaaac taaaactgca ggtccagatc aaacagaaat gactattgaa 420  
 ggcttgacgc ccacagtga gtatgtggtt agtgtctatg ctcaaatcc aagcggagag 480  
 agtcagcctc tggttcagac tgcagtaacc actattcctg caccaactga cctgaagttc 540  
 actcaggtca caccacaag cctgagccgc cagtggacac caccaatgt tcaactactg 600  
 gatatcgagt gcgggtgacc cccaaggaga agaccgggac ccatgaaaga aatcaacctt 660  
 gctcctgaca gctcctcgn ggggtgtatca ggacttatgg gggactgcc cggcnggccg 720  
 ntcgaaancg aattntgaaa tttccttcnc actggngngc gnttcgagct tncctntana 780  
 nggcccaatt cncctntagn gggctcgn 808

<210> 242  
 <211> 26  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature

&lt;222&gt; (1)...(26)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 242

agcgtggtcg cggccgaggt cnaagga

26

&lt;210&gt; 243

&lt;211&gt; 697

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(697)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 243

tcgagcggcc	gcccgggcag	gtccaccaca	cccaattcct	tgctggtatc	atggcagccg	60
ccacgtgcc	ggattaccgg	ctacatcatc	aagtatgaga	agcctggggtc	tcctcccaga	120
gaagtgggtc	ctcggccccc	ccctggtgtc	acagaggcta	ctattactgg	cctggaaccg	180
ggaaccgaat	atacaattta	tgctattgcc	ctgaagaata	atcagaagag	cgagcccctg	240
attggaagga	aaaagacaga	cgagcttccc	caactggtaa	cccttccaca	ccccaatctt	300
catggaccag	agatcttgga	tgctccttcc	acagttcaaa	agaccccttt	cgtcaccac	360
cctgggtatg	acactggaaa	tggtattcag	cttcctggca	cttctggtca	gcaacccagt	420
gttgggcaac	aaatgatctt	tgaggaacat	ggttttaggc	ggaccacacc	gcccacaacg	480
ggcaccacca	taaggnatag	gccaagacca	taccccgccg	aatgtaggac	aagaagctct	540
ntctcaacaa	ccatctcatg	ggccccattc	caggacactt	ctgagtacat	catttcatgt	600
catctgggtg	ggcacttgat	gaanaaccct	tacagttcag	ggttcctgga	acttctacca	660
gngccacttc	tgacagganc	ttgggcngna	ccaccct			697

&lt;210&gt; 244

&lt;211&gt; 373

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 244

agcgtggtcg	cggccgaggt	ccattttctc	cctgacggtc	ccacttctct	ccaatcttgt	60
agttcacacc	attgtcatgg	caccatctag	atgaatcaca	tctgaaatga	ccacttccaa	120
agcctaagca	ctggcacaa	agtttaaagc	ctgattcaga	cattcgttcc	cactcatctc	180
caacggcata	atgggaaact	gtgtaggggt	caaagcacga	gtcatccgta	ggttggttca	240
agccttogtt	gacagagttg	cccacggtaa	caacctcttc	ccgaacctta	tgcctctgct	300
ggtctttcag	tgctccact	atgatgttgt	aggtggcacc	tctggtgagg	acctgcccgg	360
gcggcccgtc	cga					373

&lt;210&gt; 245

&lt;211&gt; 307

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 245

agcgtggtcg	cggccgaggt	gtgccccaga	ccaggaattc	ggcttcgacg	ttggccctgt	60
ctgcttcctg	taaactccct	ccatcccac	ctggctccct	cccacccaac	caactttccc	120
cccaaccccg	aaacagacaa	gcaacccaaa	ctgaaccccc	tcaaaagcca	aaaaaatggg	180
agacaatttc	acatggactt	tggaaaatat	ttttttcctt	tgcatcatc	tctcaaaact	240
agtttttatc	tttgaccaac	cgaacatgac	caaaaaccaa	aagtgacctg	cccggggcgg	300
cgctcga						307

<400> 246

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<210> 247
<211> 348
<212> DNA
<213> Homo sapien
```

<400> 247

```
<210> 248
<211> 304
<212> DNA
<213> Homo sapien
```

<400> 248

```
<210> 249
<211> 400
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc feature
```

<222> (1)...(400)

<223> n = A,T,C or G

<400> 249

agcgtggtcg	cggccgaggt	ccaccacacc	caattccttg	ctggtatcat	ggcagccgcc	60
acgtgccagg	attaccggct	acatcatcaa	gtatgagaag	cctgggtctc	ctcccagaga	120
agtggtcctt	cggtcccgcc	ctggtgtcac	agaggctact	attactggcc	tggaaccggg	180
aaccgaatat	acaatttatg	tcattgcctt	gaagaataat	cagaagagcg	agcccctgat	240
tggaaggaaa	aagacagacg	agcttcccca	actggttaacc	cttccacacc	ccaatcttca	300
tggaaccanan	ancttggatn	gtcctttcac	nggttnaaaa	aacccttttc	gccccccac	360
cttgggggatt	aaccttggga	aanggggatt	tnacnnttcc			400

<210> 250

<211> 400

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(400)

<223> n = A,T,C or G

<400> 250

tcgagcggcc	gcccgggcag	gtcctgtcag	agtggcactg	gtagaagttc	caggaaccct	60
gaactgttaag	ggttcttcat	cagtgccaac	aggatgacat	gaaatgatgt	actcagaagt	120
gtcctggaat	ggggcccatg	agatggttgt	ctgagagaga	gcttcttctg	ctacattcgg	180
cggttatggt	cttggcctat	gccttatggg	ggtggccggt	gtgggcggtg	tggtccgcct	240
aaaaccatgt	tcctcaaaga	tcatttgttg	ccaacactg	ggttgctgac	cagaagtgcc	300
aggaagctga	ataccatttc	cagtgtcata	cccaggngng	gtgaccaaa	gggttctttt	360
ngacctggng	aaaggaacca	tcctaaanct	ctgncccatg			400

<210> 251

<211> 514

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(514)

<223> n = A,T,C or G

<400> 251

agcgtggncg	cggccgaggt	ctgaggatgt	aaactcttcc	caggggaagg	ctgaagtgtc	60
gaccatgggtg	ctactgggtc	cttctgagtc	agatatgtga	ctgatngaa	ctgaagttagg	120
tactgtagat	ggtgaagtct	gggtgtccct	aaatgctgca	tctccagagc	cttccatcat	180
taccgtttct	tcttttgcta	tgggatgaga	cactgttgag	tattctctaa	agtcaccact	240
gaaatcttcc	tcctaaaggaa	aacctgtgga	aaagcccctt	atttctgccc	cataatttgg	300
ttctccta	cnctctgaaa	tcactatttc	cctggaangt	ttgggaaaaa	nngggcnacc	360
tgncantgga	aantggatan	aaagatccca	ccattttacc	caacnagcag	aaagtgggaa	420
nggtaccgaa	aagctccaag	taanaaaaag	gagggaagta	aaggtcaagt	gggcaccagt	480
ttcaaaacaaa	actttcccca	aactatanaa	ccca			514

<210> 252

<211> 501

<212> DNA

<213> Homo sapien

gagcgtggtcg cggccgaggt ccaccacacc caattccttg ctggtatcat ggcagccgcc 60  
acgtgccagg attaccggct acatcatcaa gtatgagaag cctgggtctc ctcccagaga 120  
agtggtcctt cggtcccgcc ctggtgtcac agaggctact attactggcc tggaaccggg 180  
aaccgaatat acaatttatg tcattgcctt gaagaataat cagaagagcg agcccctgat 240  
tggaaggaaa aagacagacg agcttcccca actggttaacc cttccacacc ccaatcttca 300  
tggaaccanan ancttggatn gtcctttcac nggttnaaaa aacccttttc gccccccac 360  
cttgggggatt aaccttggga aanggggatt tnacnnttcc 400

<220>  
 <221> misc\_feature  
 <222> (1)..(501)  
 <223> n = A,T,C or G

<400> 252

aagcgggcgc	ccgggcaggn	ncagnagtgc	cttcgggact	gggntcacc	ccaggtctgc	60
ggcagttgtc	acagcgccag	ccccgctggc	ctccaaagca	tgtgcaggag	caaattggcac	120
cgagatatcc	cttctgccac	tggtctccta	cgtggatagt	cttcccatca	tcgtaacacg	180
ttgcctcatg	agggtcacac	ttgaattctc	cttttccgtt	cccaagacat	gtgcagctca	240
tttggctggc	tctatagtgt	ggggaaagt	tggtgaaact	gtgccactga	cctttacttc	300
ctccttctct	actggagctt	tccgtacctt	ccacttctgc	tgntggnaaa	aaggngggaa	360
cntcttatca	atttcattgg	acagtanccc	nctttctncc	caaaacatnc	aagggaataa	420
attgattncn	agagcggatt	aaggaacaac	ccnaattatg	ggggccagaa	ataaaggggg	480
cttttccaca	ggtnttttcc	t				501

<210> 253  
 <211> 226  
 <212> DNA  
 <213> Homo sapien

<400> 253

tcgagcgccc	gcccgggcag	gtctgcaggc	tattgtaagt	gttctgagca	catatgagat	60
aacctgggccc	aagctatgat	gttcgatacg	ttaggtgtat	taaatgcact	tttgactgcc	120
atctcagtgg	atgacagcct	tctcactgac	agcagagatc	ttcctcactg	tgccagtggg	180
caggagaaag	agcatgctgc	gactggacct	cggccgcgac	cacgct		226

<210> 254  
 <211> 226  
 <212> DNA  
 <213> Homo sapien

<400> 254

agcgtggtcg	cggccgaggt	ccagtcgcag	catgctcttt	ctcctgcccc	ctggcacagt	60
gaggaagatc	tctgctgtca	gtgagaaggc	tgcatccac	tgagatggca	gtcaaaagt	120
catttaatac	acctaacgta	tcgaacatca	tagcttggcc	caggttatct	catatgtgct	180
cagaacactt	acaatagcct	gcagacctgc	cggggcggcc	gctcga		226

<210> 255  
 <211> 427  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)..(427)  
 <223> n = A,T,C or G

<400> 255

cgagcgggccg	cccgggcagg	tccagactcc	aatccagaga	accaccaage	cagatgtcag	60
aagctacacc	atcacaggtt	tacaaccagg	cactgactac	aagatctacc	tgtacacctt	120
gaatgacaat	gctcggagct	cccctgtggg	catcgacgcc	tccactgcca	ttgatgcacc	180
atccaacctg	cgtttcctgg	ccaccacacc	caattccttg	ctggtatcat	ggcagcgccc	240
acgtgccagg	attaccggct	acatcatcaa	gtatgagaag	cctgggtctc	ctcccagaga	300
agtggtcctt	cggccccgcc	ctgggtgncac	agaagctact	attactggcc	tggaaccggg	360
aaccgaatat	acaatttatg	tcattgccct	gaagaataat	canaagagcg	agcccctgat	420
tggaagg						427

<210> 256  
 <211> 535  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(535)  
 <223> n = A,T,C or G

<400> 256

agcgtggtcg	cggccgaggt	cctgtcagag	tggcactggt	agaagttcca	ggaaccctga	60
actgtaagg	ttcttcatca	gtgccaacag	gatgacatga	aatgatgtac	tcagaagtg	120
cctggaatg	ggcccatgag	atggttgtct	gagagagagc	ttcttgcct	gtctttttcc	180
ttccaatcag	gggctcgctc	ttctgattat	tcttcagggc	aatgacataa	attgtatatt	240
cggttcccg	ttccaggcca	gtaatagtag	cctctgtgac	accagggcgg	ggccgaggga	300
ccacttctct	gggaggagac	ccaggcttct	catacttgat	gatgtanccg	gtaatcctgg	360
caccgtggcg	gctgccatga	taccagcaag	gaattgggtg	tggtgcccaa	gaaacgcagg	420
ttggatggcg	catcaatggc	agtggaggcg	tcgatnacca	caggggagct	ccgancattg	480
tcattcaagg	tggacaggta	gaatcttgta	atcagggtgcc	tggtttgtaa	acctg	535

<210> 257  
 <211> 544  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(544)  
 <223> n = A,T,C or G

<400> 257

tcgagcggcc	gcccgggcag	gtttcgtgac	cgtgacctcg	aggtggacac	caccctcaag	60
agcctgagcc	agcagatcga	gaacatccgg	agcccagagg	gcagccgcaa	gaaccccgcc	120
cgcacctgcc	gtgacctcaa	gatgtgccac	tctgactgga	agagtggaga	gtactggatt	180
gaccccaacc	aaggctgcaa	cctggatgcc	atcaaagtct	tctgcaacat	ggagactggt	240
gagacctgcg	tgtacccac	tcagcccagt	gtggcccaga	agaactggta	catcagcaag	300
aaccccaagg	acaagaagca	tgtctggttc	ggcgaaagca	tgaccgatgg	attccagttc	360
gagtatggcg	gccagggtc	cgacctgcc	gatgtggacc	tcggccgcga	ccacgctaag	420
cccgaattcc	agcacactgg	cggccgttac	tagtgggatc	cgagcttcgg	taccaagctt	480
ggcgtaatca	tgggncatag	ctgtttcctg	ngtgaaaatg	gtattccgct	tcacaatttc	540
ccac						544

<210> 258  
 <211> 418  
 <212> DNA  
 <213> Homo sapien

<400> 258

agcgtggtcg	cggccgaggt	ccacatcggc	agggtcggag	ccctggccgc	catactcgaa	60
ctggaatcca	tcggtcatgc	tctcgcgaa	ccagacatgc	ctcttgcct	tggggttctt	120
gctgatgtac	cagttcttct	gggccacact	gggctgagtg	gggtacacgc	aggtctcacc	180
agtctccatg	ttgcagaaga	ctttgatggc	atccagggtg	cagccttggt	tggggtcaat	240
ccagtactct	ccactcttcc	agtcagagtg	gcacatcttg	aggtcacggc	aggtgcgggc	300
ggggttcttg	cggctgccct	ctgggctccg	gatgttctcg	atctgctggc	tcaagctctt	360
gaaggggtggt	gtccacctcg	aggtcacggg	cacgaaacct	gcccgggcgg	ccgctcga	418



<210> 259  
 <211> 377  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(377)  
 <223> n = A,T,C or G

<400> 259  
 agcgtggtcg cggccgaggt caagaacccc gcccgacact gccgtgacct caagatgtgc 60  
 cactctgact ggaagagtgg agagtactgg attgacccca accaaggctg caacctggat 120  
 gccatcaaag tcttctgcaa catggagact ggtgagacct gcgtgtacct cactcagccc 180  
 agtgtggccc agaagaactg gtacatcagc aagaacccca aggacaagag gcatgtctgg 240  
 ttccggcgaga gcatgaccga tggattccag ttccagtatg gcggccaggg ctccgacctt 300  
 gccgatgtgg acctgcccg gcccgnccgc tcgaaaagcc cnaatttcca gncacacttg 360  
 gccggccggtt actactg 377

<210> 260  
 <211> 332  
 <212> DNA  
 <213> Homo sapien

<400> 260  
 tcgagcggcc gcccgggcag gtccacatcg gcagggtcgg agccctggcc gccatactcg 60  
 aactggaatc catcggtcat gctctcgccg aaccagacat gcctcttgct cttgggggtc 120  
 ttgctgatgt accagttctt ctgggccaca ctgggctgag tggggtagac gcagggtctca 180  
 ccagtctcca tgttgcaaaa gactttgatg gcatccaggt tgcagccttg gttgggggtca 240  
 atccagtact ctccactctt ccagtcagag tggcacatct tgaggtcacg gcagggtgcgg 300  
 gcgggggttct tgacctcggc cgcgaccacg ct 332

<210> 261  
 <211> 94  
 <212> DNA  
 <213> Homo sapien

<400> 261  
 cgagcggccg cccgggcagg tccccccct tttttttttt tttttttttt tttttttttt 60  
 tttttttttt tttttttttt tttttttttt tttt 94

<210> 262  
 <211> 650  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(650)  
 <223> n = A,T,C or G

<400> 262  
 agcgtggtcg cggccgaggt ctggcattcc ttccagctct ctccagccga gtttcccaga 60  
 acatcacata tcaactgaaa aatagcattg catacatgga tcaggccagt ggaaatgtaa 120  
 agaaggccct gaagctgatg ggtcaaatg aaggtgaatt caaggctgaa ggaaatagca 180  
 aattcaccta cacagttctg gaggatggtt gcacgaaaca cactggggaa tggagcaaaa 240

cagtctttga	atatcgaaaca	cgcaaggctg	tgagactacc	tattgtagat	attgcaccct	300
atgacattgg	tggctctgat	caagaatttg	gtgtggacgt	tggccctggt	tgctttttat	360
aaaccaaact	ctatctgaaa	tcccaacaaa	aaaaatttaa	ctccatatgt	gntcctcttg	420
ttctaattct	ggcaaccagt	gcaagtgacc	gacaaaaattc	cagttatttta	tttccaaaaat	480
gtttggaac	agtataattt	gacaaaagaa	aaaggatact	ttcttttttt	tggtggtcc	540
accacataca	attcaaaagg	ctttttggtt	ttattttttt	anccaattcc	aatttcacaaa	600
tgtctcaatg	gngcttataa	taaaataaac	tttcaccctt	ntttntgat		650

```
<210> 263
<211> 573
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(573)
<223> n = A,T,C or G
```

<400> 263						
agcgtggtcg	cggccgaggt	ctgggatgct	cctgctgtca	cagtgagata	ttacaggatc	60
acttacggag	aaacaggagg	aaatagccct	gtccaggagt	tactgtgcc	tgggagcaag	120
tctacagcta	ccatcagcgg	ccttaaacct	ggagttgatt	ataccatcac	tgtgtatgct	180
gtcactggcc	gtggagacag	ccccgcgaagc	agcaagccaa	tttcattaa	ttaccgaaca	240
gaaattgaca	aaccatccca	gatgcaagtg	accgatgttc	aggacaacag	cattagtgtc	300
aagtggctgc	cttcaagttc	ccctgttact	ggttacagaa	gtaaccacca	ctcccaaaaa	360
tggaccagga	ccaacaaaa	ctaaaactgc	aggtccagat	caaacagaaa	atggactatt	420
gaaggcttgc	agccccagtg	ggaagtatgt	ggntagngt	ctatgtctcag	aatcccaagc	480
cggagaaagt	cagccttctg	gtttagactg	cagtaacca	cattgatcgc	cctaaaggac	540
tggncattca	cttggatggt	ggatgtccaa	ttc			573

```
<210> 264
<211> 550
<212> DNA
<213> Homo sapien
```

```
<220>  
<221> misc feature  
<222> (1)...(550)  
<223> n = A,T,C or G
```

<400> 264							
tgcagcggcc	gcccgggcag	gtccttgca	ctctgcagng	tcttcttcac	catcaggtgc	60	
agggaaatagc	tcatggattc	catcctcagg	gctcgagtag	gtcacctgt	acctggaaac	120	
ttgcccctgt	gggctttccc	aagcaatttt	gatggaatcg	acatccacat	cagngaattgc	180	
cagtccttta	gggcgatcaa	tgttggttac	tgcagtctga	accagaggct	gactctctcc	240	
gcttggaattc	tgagcataga	cactaaccac	atactccact	gtgggctgca	agccttcaat	300	
agtcatttct	gtttgatctg	gacctgcagt	tttaagtttt	tgggtgtcct	gncccatttt	360	
tgggaagtgg	ggggttactc	tgtaaccagt	aacaggggaa	cttgaaggca	gccacttgac	420	
actaatgctg	ttgtcctgaa	catcggctac	ttgcactctgg	ggatggtttt	gacaatttct	480	
ggttcggcaa	attaatggaa	attggcttgc	tgcttggcgg	ggctgnctcc	acgggccagt	540	
gacagcatac						550	

```
<210> 265
<211> 596
<212> DNA
<213> Homo sapien
```

<220>  
 <221> misc\_feature  
 <222> (1)..(596)  
 <223> n = A,T,C or G

<400> 265  
 tcgagcggcc gcccgggcag gtccttgacg ctctgcagtg tcttcttcac catcaggtgc 60  
 agggaaatagc tcatggattc catcctcagg gctcgagtag gtcaccctgt acctggaaac 120  
 ttgcccctgt gggctttccc aagcaatttt gatggaatcg acatccacat cagtgaatgc 180  
 cagtccttta gggcgatcaa tgttggttac tgcagtctga accagaggct gactctctcc 240  
 gcttgattc tgagcataga cactaaccac atactccact gtgggctgca agccttcaat 300  
 agtcatttct gtttgatctg gacctgcagt tttaagtttt tgttggnctt gnnccatttt 360  
 tggggaagggt gtggttactc ttgtaaccag taacagggga acttgaagca gccacttgac 420  
 actaatgctg gtggcctgaa catcggtcac ttgcatctgg gatggtttgg tcaatttctg 480  
 ttcggttaatt aatgggaaat tggcttactg gcttgcgggg gctgtctcca cggncagtga 540  
 caagcataca cagngatgg gtataatcaa ctccaggttt aaggccnctg atggta 596

<210> 266  
 <211> 506  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)..(506)  
 <223> n = A,T,C or G

<400> 266  
 agcgtggtcg cggccgaggt ctgggatgct cctgctgtca cagtgaagata ttacaggatc 60  
 acttacggag aaacaggagg aaatagccct gtccaggagt tcaactgtgc tgggagcaag 120  
 tctacagcta ccatcagcgg ccttaaacct ggagttgatt ataccatcac tgtgtatgct 180  
 gtcactggcc gtggagacag ccccgcaagc agtaagccaa tttccattaa ttaccgaaca 240  
 gaaattgaca aaccatccca gatgcaagtg accgatgttc aggacaacag cattagtgtc 300  
 aagtggctgc cttcaagttc ccctgttact gggttacagag taaccaccac tcccaaaaaat 360  
 gggaccagga ccaacaaaaa actaaaactg canggtccag atcaaacaga aatgactatt 420  
 gaaggcttgc agcccacagt ggagtatgtg gggttagtgtc tatgtctcaga atnccaagcg 480  
 gagagagtca gcctctgggtt cagact 506

<210> 267  
 <211> 548  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)..(548)  
 <223> n = A,T,C or G

<400> 267  
 tcgagcggcc gcccgggcag gtcagcgctc tcaggacgtc accaccatgg cctgggctct 60  
 gtcctctctc acctcctca ctcagggcac agggctcctgg gccagtcctg ccctgactca 120  
 gcctccctcc gcgtccgggt ctccctggaca gtcagtcacc atctcctgca ctggaaccag 180  
 cagtgaaggtt ggtgcttatg aatttgtctc ctggtaccaa caacaccag gcaaggcccc 240  
 caaactcatg atttctgagg tactaagcg gccctcaggg gtccctgacg gcttctctgg 300  
 ctccaagtct ggcaacacgg cctccctgac cgtctctggg ctccangctg aggatgancg 360  
 tgattattac tggaagctca tatgcaggca acaacaattg ggtgttcggc ggaagggacc 420  
 aagctgaccg tnctaaggtc aagcccaagg cttgcccccc tcggtcactc tgttcccacc 480

ctcctctgaa gaagctttca agccaacaan gncacactgg gtgtgtctca taagtggact 540  
ttctaccc 548

<210> 268  
<211> 584  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(584)  
<223> n = A,T,C or G

<400> 268  
agcgtgggtcg cggccgaggt ctgtagcttc tgtgggactt ccactgctca ggcgtcaggc 60  
tcaggtagct gctggccgcg tacttgttgt tgctttgntt ggaggggtgt gtggtctcca 120  
ctccgcctt gacggggctg ctatctgcct tccaggccac tgtcacggct cccgggtaga 180  
agtcaattat gagacacacc agtgtggcct tgttggcttg aagctcctca gaggagggtg 240  
ggaacagagt gaccgagggg gcagccttgg gctgacctag gacggtcagc ttggtccctc 300  
cgccgaacac ccaattgttg ttgcctgcat atgagctgca gtaataatca gcctcatcct 360  
cagcctggag cccagagacn gtcaagggag gcccggtgtt gccaaagactt ggaagccaga 420  
naagcgatca gggaccctg agggccgctt tacngacctc aaaaaatcat gaatttgggg 480  
ggcctttgcc tgggngttgg ttggtnacca gnaaaacaaa atttcataaa gcaccaacgt 540  
cactgctggt ttccagtgc ngaanatggt gaactgaant gtcc 584

<210> 269  
<211> 368  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(368)  
<223> n = A,T,C or G

<400> 269  
agcgtgggtcg cggccgaggt ccagcatcag gagccccgcc ttgccggctc tggatcatgc 60  
ctttcttttt gtggcctgaa acgatgtcat caattcgtag tagcagaact gccgtctcca 120  
ctgctgtctt ataagtctgc agcttcacag ccaatggctc ccatatgcc agttccttca 180  
tgccaccaa agtaccctg tcaccattta cccccagggt ctcacagtgc tcctgggtgt 240  
gcttggcccg aagggaggta agtanacgga tgggtgctgt cccacagtgc tggatcaggg 300  
tacgaggaat gacctctagg gcctgggna caagccctgt atggacctgc ccgggcgggc 360  
ccgctcga 368

<210> 270  
<211> 368  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(368)  
<223> n = A,T,C or G

<400> 270  
tcgagcggcc gcccgggcag gtccatacag ggctgttgcc caggccctag aggnattcc 60  
ttgtaccctg atccagaact gtgggaccag caccatccgt ctacttacct cccttcgggc 120

```

caagcacacc caggagaact gtgagacctg ggggtgtaaatt ggngagacgg gtacttttgggt 180
ggacatgaag gaactgggca tatgggagcc attggctgng aagctgcana cttataagac 240
agcagtggag acggcagttc tgctactgcg aattgatgac atcgtttcag gccacaaaaa 300
gaaaggcgat gaccanagcc ggcaaggcgg ggcttcctga tgctggacct cggccgccga 360
ccacgctt 368

```

```

<210> 271
<211> 424
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(424)
<223> n = A,T,C or G

```

```

<400> 271
agcgtggtcg cggccgaggt ccactagagg tctgtgtgcc attgcccagg cagagtctct 60
gcgttacaaa ctactaggag ggcttgctgt gcgaggggcc tgctatggtg tgctgcggtt 120
catcatggag agtggggcca aaggctgcga ggttggtggtg tctgggaaac tccgaggaca 180
gagggctaaa tccatgaagt ttgtggatgg cctgatgac cacagcggag accctgttaa 240
ctactacgtt gacactgctg tgcgccacgt gttgctcana caggggtgtgc tgggcatcaa 300
ggtgaagatc atgctgccct gggacccanc tggcaaaaat ggcccttaaa aacccttgc 360
cntgaccacg tgaaccattt gtgngaaccc caagatgaan atacttgccc accaccccc 420
attc 424

```

```

<210> 272
<211> 541
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(541)
<223> n = A,T,C or G

```

```

<400> 272
tcgagcggcc gccggggcag gtctgccaaag gagaccctgt tatgctgtgg ggactggctg 60
gggcatggca ggcggctctg gcttcccacc cttctgttct gagatggggg tgggtggcag 120
tatctcatct ttgggttcca caatgctcac gtggtcaggc aggggcttct tagggccaat 180
cttaccagtt ggggtcccagg gcagcatgat cttcaccttg atgccagca caccctgtct 240
gagcaacacg tggcgcacag cagtgtcaac gtagtagtta acagggtctc cgctgtggat 300
catcaggcca tccacaaact tcatggattt agccctctgt cctcggagtt tcccaaaaca 360
ccacaacctc gccagccttt gggcccccact tcttcatgaa tgaaaccgca gcacaccatt 420
ancaaggccc ttccgcacag gnaagccctt cctaaggagt tttgtaaact caaaaaactc 480
ttgcctgggg caaatgggca cacagacctn tantnggacc ttggnccgag aaccaccgct 540
t 541

```

```

<210> 273
<211> 579
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(579)
<223> n = A,T,C or G

```

```

<400> 273
agcgtggtcg cggccgaggt ctggccctcc tggcaaggct ggtgaagatg gtcaccctgg      60
aaaacccgga cgacctggtg agagaggagt tgttggacca caggggtgctc gtggtttccc      120
tggaactcct ggacttcctg gcttcaaagg cattagggga cacaatggtc tggatggatt      180
gaaggacag cccggtgctc ctggtgtgaa ggggtgaacct gnggccctg gtgaaaatgg      240
aactccaggt caaacaggag cccgngggct tcctggngag agaggacgtg ttggtgcccc      300
tgggccanac ctgcccgggc ggccgctcna aaagccgaaa tccagnacac tggcggccgn      360
tactantgga atccgaactt cgggtaccaa gcttggccgt aatcatggcc atagcttggt      420
ccctggggng gaaattggta ttccgctncc aattccacac aacataccga acccggaag      480
cattaaagtg taaaagccct gggggggcct aaatgangtg agcntaactc ncatttaatt      540
ggcgttgccg ttcactgcc cgtttttcca gtcgggna

```

<210> 274

<211> 330

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(330)

<223> n = A,T,C or G

```

<400> 274
tcgagcggcc gcccgggcag gtctgggcca ggggcaccaa cacgtcctct ctcaccagga      60
agcccacggg ctctgtttg acctggagtt ccattttcac caggggcacc aggttcaccc      120
ttcacaccag gacacccggg ctgtcccttc aatccatcca gaccattgtg ncccctaag      180
cctttgaagc caggaagtcc aggagttcca gggaaaccac gaccacctg tggccaaca      240
actcctctct caccaggtcg tccgggtttt ccagggtgac catcttcacc agccttgcca      300
ggagggccag acctcgccg cgaccacgct

```

<210> 275

<211> 97

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(97)

<223> n = A,T,C or G

```

<400> 275
ancgtggtcg cggccgaggt cctcaccaga ggtgncacct acaacatcat agtgaggcca      60
ctgaaagacc ancagaggca taagggtcgg gaagagg

```

<210> 276

<211> 610

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(610)

<223> n = A,T,C or G

```

<400> 276
tcgagcggcc gcccgggcag gtccattttc tccctgacgg tcccatttct ctccaatttt      60

```

```
<210> 277
<211> 38
<212> DNA
<213> Homo sapien
```

<400> 277  
ggtcg cggccgangt nttttttctt nttttttt

```
<220>
<221> misc_feature
<222> (1)...(443)
<223> n = A,T,C or G
```

```
<210> 279
<211> 348
<212> DNA
<213> Homo sapien
```

<400> 279  
tcgagcgggc gcccgggcag gtgtcggagt ccagcacggg aggcgtggtc ttgtagtgtg 60  
tctcggctg ccattgctc tccactcca cggcgatgct gctgggataa aagcctttga 120

```

ccaggcaggt caggctgacc tggttcttgg tcattctctc ccgggatggg ggcaggggta 180
acacctgggg ttctcggggc ttgccctttg qttttgaana tggttttctc gatgggggct 240
ggaagggctt tgttgnaaac ctgtcacttg actccttgcc attcaccag ncctgngca 300
ggacgngag gacnctnacc acacggaacc gggctgggtg actgctcc 348

```

```

<210> 280
<211> 149
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(149)
<223> n = A,T,C or G

```

```

<400> 280
agcgtgggtc cggacgangt cctgtcagag tggnaactgg agaagttcca ngaaccctga 60
actgtaaggg ttcttcatca gtgccaacag gatgacatga aatgatgtac tcagaagnn 120
cctggaatgg ggcccatgan atggttgcc 149

```

```

<210> 281
<211> 404
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(404)
<223> n = A,T,C or G

```

```

<400> 281
tcgagcggcc gcccgggcag gtccaccaca cccaattcct tgctggtatc atggcagccg 60
ccacgtgccg ggattaccgg ctacatcatc aagtatgaga agcctgggtc tcctcccaga 120
gaagtgggtc ctcgccccg ccctgggtgc acagaggcta ctattactgg cctggaaccg 180
ggaaccgaat atacaattta tgtcattgcc ctgaagaata atcagaagag cgagccccctg 240
attggaagga aaaagacaga cgagcttccc caactggtaa cccttcaca cccaatctt 300
catggaccag agatcttggg tgttccttcc acagttcaaa agacccttt cggcaccccc 360
cctgggtatg aacctgggaa aanggnantt aanccttctt ggca 404

```

```

<210> 282
<211> 507
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(507)
<223> n = A,T,C or G

```

```

<400> 282
agcgtgggtc cggccgaggt ctgggatgct cctgctgtca cagtgaata ttacaggatc 60
acttacggag aaacaggagg aaatagccct gtccaggagt tcaactgtgc tgggagcaag 120
tctacagcta ccacagcgg ccttaaacct ggagttgatt ataccatcac tgtgtatgct 180
gtcactggcc gtggagacag ccccgcaagc agcaagccaa ttccattaa ttaccgaaca 240
gaaattgaca aaccatccca gatgcaagtg accgatgttc aggacaacag cattagtgtc 300
aagtggctgc cttaagggtt ccctgggtact gggttacaga ntaaccacca ctcccaaaaa 360
tggaaccagga accacaaaaa cttaaaactgc aggttccaga tcaaaacaga aatgactatt 420

```



gaangcttgc agcccacagt gggagtatgn gggtagtgnc tatgcttcag aatccaagcg 480  
 gaaaaangtc aagccttntq qtttcaa 507

<210> 283

<211> 325

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(325)

<223> n = A,T,C or G

<400> 283

tcgagcggcc gcccgggcag gtccttgacg ctctgcagtg tcttcttcac catcaggtgc 60  
 agggaatagc tcatggattc catcctcagg gctcgagtag gtcaccctgt acctggaac 120  
 ttgcccctgt gggcttccc aagcaatttt gatggaatcg acatccacat cagtgaatgc 180  
 cagtccttta gggcgatcaa tggttggttac tgcagnctga accagaggct gactctctcc 240  
 gcttgattc tgagcataga cactaaccac atactccact gtgggctgca anccttcaat 300  
 aanncatttc tgttgatct ggacc 325

<210> 284

<211> 331

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(331)

<223> n = A,T,C or G

<400> 284

tcgagcggcc gcccgggcag gtctggtggg gtctggcac acgcacatgg gggngttgnt 60  
 ctnatccagc tgcccagccc ccattggcga gtttgagaag gtgtgcagca atgacaacaa 120  
 naccttcgac tcttcttgcc acttctttgc cacaaagtgc accctggagg gcaccaagaa 180  
 gggccacaag ctccacctgg actacatcgg gccttgcaaa tacatcccc cttgcttga 240  
 ctctgagctg accgaattcc cccttgcgca tgccgggactg gctcaagaac cgtcctggca 300  
 cccttgatg anagggatga agacacnacc c 331

<210> 285

<211> 509

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(509)

<223> n = A,T,C or G

<400> 285

agcgtggtcg cggccgaggt ctgtcctaca gtctcagga ctctactccc tcagcagcgt 60  
 ggtgaccgtg cctccagca acttcggcac ccagacctac acctgcaacg tagatcacia 120  
 gccagcaac accaagtggt acaagagagt tgagcccaaa tcttgtagca aaactcacac 180  
 atgccaccg tgcccagcac ctgaactcct ggggggaccg tcagtcttcc tcttcccccg 240  
 catccccctt ccaaactgc ccgggcggcc gctcgaaagc cgaattccag cacactggcg 300  
 gccggtacta gtgganccna acttggnanc caacctggng gaantaatgg gcataanctg 360  
 tttctggggg gaaattggtg tccngtttac aattcccnca caacatacga gccggaagca 420

taaaagngta aaagcctggg gngggcctan tgaagtgaag ctaaactcac attaattngc 480  
gttgccgctc actggcccgc tttccagc 509

<210> 286  
<211> 336  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(336)  
<223> n = A,T,C or G

<400> 286  
tcgagcggcc gcccgggcag gtttggaagg gggatgcggg ggaagaggaa gactgacggt 60  
ccccccagga gttcaggtgc tgggcacggt gggcatgtgt gagttttgtc acaagatttg 120  
ggctcaactc tcttgtccac cttggtgttg ctgggcttgt gatctacgtt gcaggtgtag 180  
gtctgggngc cgaagttgct ggagggcacg gtcaccacgc tgctgaggga gtagagtctt 240  
gaggactgta ngacagacct cggccgngac cacgctaagc cgaattctgc agatatccat 300  
cacactggcg gccgctccga gcatgcattt tagagg 336

<210> 287  
<211> 30  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(30)  
<223> n = A,T,C or G

<400> 287  
agcgtggncg cggacganga caacaacccc 30

<210> 288  
<211> 316  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(316)  
<223> n = A,T,C or G

<400> 288  
tcgagcggcc gcccgggcag gnccacatcg gcagggtcgg agccctggcc gccatactcg 60  
aactggaatc catcggtcat gctcttgccg aaccagacat gcctcttgtc cttggggttc 120  
ttgctgatgn accagttctt ctgggccaca ctgggctgag tggggtagac gcaggtctca 180  
ccagttctca tgttgagaa gactttgatg gcatccaggt tgcagccttg gttgggggtca 240  
atccagtact ctccactctt ccagtcagag tggcacatct tgaggtcacg gcaggtgcgg 300  
gcggggttct tgacct 316

<210> 289  
<211> 308  
<212> DNA  
<213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(308)  
 <223> n = A,T,C or G

<400> 289  
 agcgtggtcg cggccgaggt ccagcctgga gataanggtg aagggtggtgc ccccggaactt 60  
 ccaggtatag ctggacctcg tggtagccct ggtgagagag gtgaaactgg ccctccagga 120  
 cctgctggtt tccctggtgc tcctggacag aatggtgaac ctggnggtaa aggagaaaga 180  
 ggggctccgg ntganaaagg tgaaggaggc cctcctgnat tggcaggggc cccangactt 240  
 agaggtggag ctggccccc tggcccccga ggaggaaagg gtgctgctgg tcctcctggg 300  
 ccacctgg 308

<210> 290  
 <211> 324  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(324)  
 <223> n = A,T,C or G

<400> 290  
 tcgagcggcc gcccgggcag gtctggggcca ggaggaccaa taggaccagt aggaccctt 60  
 gggccatctt tccctgggac accatcagca cctggaccgc ctggttcacc cttgtcacc 120  
 tttggaccag gacttccaag acctcctctt tctccaggca ttccttgag accaggagta 180  
 ccancagcac caggtggccc aggaggacca gcagcaccct ttctccttc gggaccaggg 240  
 ggaccagctc cacctctaag tcctggggcc cctgccaatc caggaggggc tccttcacct 300  
 ttctcaccg gagccctct ttct 324

<210> 291  
 <211> 278  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(278)  
 <223> n = A,T,C or G

<400> 291  
 tcgagcggcc gcccgggcag gtccaccggg atattcgggg gtctggcagg aatgggaggg 60  
 atccagaacg agaaggagac catgcaaagc ctgaacgacc gcctggcctc ttacctggac 120  
 agagtgagga gcctggagac cgacaaccgg aggctggaga gcaaaatccg ggagcacttg 180  
 gagaagaagg gacccaggt cagagactgg agccattact tcaagatcat cgaggacctg 240  
 agggctcana tcttcgcaa tactgcnagc aatgcccg 278

<210> 292  
 <211> 299  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(299)  
 <223> n = A,T,C or G

```

<400> 292
atgcgnggtc gcgccgang accanctctg gtcatactt gactctaaag nntcaccag      60
nanttacggn cattgccaat ctgcagaacg atgcgggcat tgtccgcant atttgcaag      120
atctgagccc tcaggncctc gatgatcttg aagtaanggc tccagtctct gacctgggg      180
cccttcttct ccaagtgtc ccggattttg ctctccagcc tccggttctc ggtctccaag      240
ncttctcact ctgtccagga aaagaggcca ggcgngcgat cagggctttt gcatggact      299

```

```

<210> 293
<211> 101
<212> DNA
<213> Homo sapien

```

```

<400> 293
agcgtggtcg cggccgaggt tgtacaagct tttttttttt tttttttttt tttttttttt      60
tttttttttt tttttttttt tttttttttt tttttttttt t                101

```

```

<210> 294
<211> 285
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(285)
<223> n = A,T,C or G

```

```

<400> 294
tcgagcggcc gcccgggcag gtctgccaac accaagattg gccccgccg catccacaca      60
gttngtgtgc ggggaggtaa caagaaatac cgtgccctga ggntggacgn ggggaatttc      120
tcctggggct cagagtgttg tactcgtaaa acaaggatca tcgatgttgt ctacaatgca      180
tctaataacg agctggttcg taccaagacc ctggtgaaga attgcatcgt gctcatngac      240
agcacaccgt accgacagtg ggtaccgaag tcccactatg cncct                    285

```

```

<210> 295
<211> 216
<212> DNA
<213> Homo sapien

```

```

<400> 295
tcgagcggcc gcccgggcag gtccaccaca cccaattcct tgctgggtatc atggcagccg      60
ccacgtgccg ggattaccgg ctacatcatc aagtatgaga agcctgggtc tcctccaga      120
gaagtgtgcc ctcgccccg ccctggtgtc acagaggcta ctattactgg cctggaaccg      180
ggaaccgaat atacaattta tgtcattgcc ctgaag                    216

```

```

<210> 296
<211> 414
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(414)
<223> n = A,T,C or G

```

```

<400> 296
agcgtgntcn cggccgagga tggggaagct cgnctgtott ttctctcca atcaggggct      60

```

```

nnntcttctg attattcttc agggcaanga cataaattgt atattcggnt cccgggtcca 120
gnccagtaat agtagcctct gtgacaccag ggcggggccc aqggaccact tctctgggag 180
gagaccagcag cttctcatatc ttgatgatga agccggtaat cctggcacgt gggcggtgc 240
catgatacca ccaangaatt ggggtgtggtg gacctgcccg ggcgggcccgc tcgaaaancc 300
gaattcntgc aagaatatcc atcacacttg ggcggggccgn tcgaaccatg catcntaaaa 360
gggcccacaat ttcccccta ttagnggaag ccncatttaa caaattccac ttgg 414

```

<210> 297

<211> 376

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(376)

<223> n = A,T,C or G

<400> 297

```

tcgagcggcc gcccgggcag gtctcgcggt cgcactggtg atgctgggtcc tgttggtccc 60
cccgccctc ctggacctcc tggteccctt ggtcctccca gcgctggttt cgacttcagc 120
ttcctgcccc agccacctca agagaaggct cacgatggtg gccgctacta ccgggctgat 180
gatgccaatg tggttcgtga ccgtgacctc gaggtggaca ccacctcaa gagccttgag 240
ccagcagaat cgaaaacatt cggaacccaa gaagggaag cccgcaaaga aaccccgccc 300
gcacctggcc gngaacctcc aagaangtgc ccacntcttg actgggaaaa aaagggaaaa 360
ntacttgga ttggac 376

```

<210> 298

<211> 357

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(357)

<223> n = A,T,C or G

<400> 298

```

agcgtggtcg cggccgaggt ccacatcggc agggtcggag ccctggccgc catactcgaa 60
ctggaatcca tcggtcatgc tctgcgcgaa ccagacatgc ctcttgctct tggggttctt 120
gctgatgtac cagttcttct gggccacact gggctgagtg gggtagacgc aggtctcacc 180
agtctccatg ttgcagaaga ctttgatggc atccaggttg cagccttggt tggggccaat 240
ccagtactct cactcttcc agtcagaagt ggcacatctt gaggtcacgc caggggtgcg 300
gcgggggtct tgcgggctgc cttctggtg tcccggaatg ttctnngaac ttgctg 357

```

<210> 299

<211> 307

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(307)

<223> n = A,T,C or G

<400> 299

```

agcgtggtcg cggccgaggt ccactagagg tctgtgtgcc attgcccagg cagagtctct 60
gcgttacaaa ctctaggag ggcttgctgt gcggagggcc tgctatggtg tgctgcggt 120

```

```

catcatggag agtggggcca aaggctgcga ggttggtggtg tctgggaaac tccgaggaca 180
gaqqgcctaaa tccatgaagt ttgtggatgg cctgatgatc cacagcggag accctgttaa 240
ctactacgtt gacacttgct tgtgcgccac gtgttgctca nacanggggtg ggctgggcat 300
caaggng 307

```

```

<210> 300
<211> 351
<212> DNA
<213> Homo sapien

```

```

<400> 300
tcgagcggcc gcccgggcag gtctgccaag gagaccctgt tatgctgtgg ggactggctg 60
gggcatggca ggcggctctg gcttcccacc cttctgttct gagatggggg tgggtggcag 120
tatctcatct ttgggttcca caatgctcac gtggtcaggc aggggcttct tagggccaat 180
cttaccagtt ggggtccagg gcagcatgat cttcaccttg atgccagca caccctgtct 240
gagcaacacg tggcgcacag caagtgtcaa cgtaagtaag ttaacagggt ctccgctgtg 300
gatcatcagg ccatccacaa acttcatgga ttttaaccctc tgcctcgga g 351

```

```

<210> 301
<211> 330
<212> DNA
<213> Homo sapien

```

```

<400> 301
tcgagcggcc gcccgggcag gtgtttcaga ggttccaagg tccactgtgg aggtcccagg 60
agtgtggtg gtgggcacag aggtccgatg ggtgaaacca ttgacataga gactgttcct 120
gtccagggtg tagggggcca gctctttgat gccattggcc agttggctca gctcccagta 180
cagccgctct ctgttgagtc cagggtttt ggggtcaaga tgatggatgc agatggcatc 240
cactccagtg gctgctccat ccttctcgga cctgagagag gtcagtctgc agccagagta 300
cagagggcca acactggtgt tctttgaata 330

```

```

<210> 302
<211> 317
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(317)
<223> n = A,T,C or G

```

```

<400> 302
agcgtggtcg cggccgaggt ctgtactggg agctaagcaa actgaccaat gacattgaag 60
agctgggccc ctacaccctg gacaggaaca gtctctatgt caatggtttc acccatcaga 120
gctctgtgnc caccaccagc actcctggga cctccacagt ggatttcaga acctcaggga 180
ctccatcctc cctctccagc cccacaatta tgggtgctgg ccctctcctg gtaccattca 240
ccctcaactt caccatcacc aacctgcagt atggggagga catgggtcac cctgnctcca 300
ggaagttaa caccaca 317

```

```

<210> 303
<211> 283
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(283)

```

<223> n = A,T,C or G

<400> 303

tcgagcggcc	gcccggacag	gtctgggagg	atagcaccgg	gcatattttg	gaatggatga	60
ggtctggcac	cctgagcagt	ccagcgagga	cttgggtctta	ggtgagcaat	ttggctagga	120
ggatagtatg	cagcacggnt	ctgagnctgt	gggatagctg	ccatgaagta	acctgaagga	180
ggtgctggct	ggtanggggt	gattacaggg	ttgggaacag	ctcgtacact	tgccattctc	240
tgcataact	ggttagtgag	gtgagcctgg	ccctcttctt	ttg		283

<210> 304

<211> 72

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(72)

<223> n = A,T,C or G

<400> 304

agcgtggtcg	cgcccgaggt	gagccacagg	tgaccggggc	tgaagctggg	gctgctggnc	60
ctgctggtcc	tg					72

<210> 305

<211> 245

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(245)

<223> n = A,T,C or G

<400> 305

cagcngctcc	nacggggcct	gngggacca	caacaccgtt	ttcaccctta	ggccctttgg	60
ctcctctttc	tccttttagca	ccaggttgac	cagcagcncc	ancaggacca	gcaaattccat	120
tgggggcagc	aggaccgacc	tcaccacgtt	caccagggct	tccccgagga	ccagcaggac	180
cagcaggacc	agcagcccca	gcttcgcccc	ggtcacctgt	ggctcacctc	ggccgcgacc	240
acgt						245

<210> 306

<211> 246

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(246)

<223> n = A,T,C or G

<400> 306

tcgagcggtc	gcccgggcag	gtccaccggg	atagccgggg	gtctggcagg	aatgggaggc	60
atccagaacg	agaaggagac	catgcaaagc	ctgaacgacc	gcctggcctc	ttacctggac	120
agagtggaga	gcctggagac	cganaaccgg	aggctggana	gcaaaatccg	ggagcacttg	180
gagaagaagg	gacccaggt	caagagactg	gagccattac	ttcaagatca	tcgagggacc	240
tggagg						246

<210> 307  
 <211> 333  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(333)  
 <223> n = A,T,C or G

<400> 307  
 agcgnggtcg cggccgaggt ccagctctgt ctcatacttg actctaaagt catcagcagc 60  
 aagacgggca ttgtcaatct gcagaacgat gcgggcattg tccgcagtat ttgcgaagat 120  
 ctgagccctc aggtcctcga tgatcttgaa gtaatggctc cagtctctga cctgggggtcc 180  
 cttcttctcc aagtgtctcc ggattttgct ctccagcctc cggttctcgg tctccaggct 240  
 cctcactctg tccaggttaag aaggcccagg cggtcgttca ggctttgcat ggtctccttc 300  
 tcgttctgga tgcctcccat tctgcccaga ccc 333

<210> 308  
 <211> 310  
 <212> DNA  
 <213> Homo sapien

<400> 308  
 tcgagcggcc gcccgggcag gtcaggaagc acattggtct tagagccact gcctcctgga 60  
 ttccacctgt gctgcggaca tctccaggga gtgcagaagg gaagcaggtc aaactgctca 120  
 gatcagtcag actggctgtt ctcatgtctc acctgagcaa ggtcagtcct cagccagagt 180  
 acagagggcc aacactggtg ttcttgaaca agggcttgag cagaccctgc agaaccctct 240  
 tccgtggtgt tgaacttctt ggaaaccagg gtgttgcatg ttttctctca taatgcaagg 300  
 ttggtgatgg 310

<210> 309  
 <211> 429  
 <212> DNA  
 <213> Homo sapien

<400> 309  
 agcgtggtcg cggccgaggt ccacatcggc agggtcggag ccttgggcgc catactcgaa 60  
 ctggaatcca tcggtcatgc tctgcgcgaa ccagacatgc ctcttgctct tggggttctt 120  
 gctgatgtac cagttcttct gggccacact gggctgagtg ggtacaccg caggtctcac 180  
 cagtctccat gttgcagaag actttgatgg catccagggt gcagccttg ttgggggtcaa 240  
 tccagtactc tccactcttc cagtcagaag tgggcacatc ttgaggtcac cggcaggtgc 300  
 cgggcccggg gttcttgagg cttgccctct gggctccgga tgttctcgat ctgcttggtc 360  
 caggctcttg agggtggttg tccacctcga ggtcacgggc accgaaacct gcccgggcgg 420  
 cccgctcga 429

<210> 310  
 <211> 430  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(430)  
 <223> n = A,T,C or G

<400> 310



tcgagcggtc	gcccgggcag	gtttcgtgac	cgtgacctcg	aggtggacac	cacctcaag	60
agcctgagcc	agcaqatcqa	qaacatccgg	agcccagagg	gcagccgcaa	gaaccccgcc	120
cgcacctgcc	gtgacctcaa	gatgtgccac	tctgactgga	agagtggaga	gtactggatt	180
gaccccaacc	aaggctgcaa	cctggatgcc	atcaaagtct	tctgcaacat	ggagactggt	240
gagacctgcg	tgtacccac	tcagcccagt	gtggggccag	aagaaactgg	tacatcagca	300
aggaacccca	aggacaagag	gcattgtctt	ggttcggcga	gnagcatgac	ccgatggatt	360
ccagtttcga	gtattggcgg	ccagggcttc	ccgaccttg	ccgatgtgga	cctcgccgcg	420
gaccaccgct						430

&lt;210&gt; 311

&lt;211&gt; 2996

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 311

cagccaccgg	agtggatgcc	atctgcaccc	accgccctga	ccccacagge	cctgggctgg	60
acagagagca	gctgtatttg	gagctgagcc	agctgaccca	cagcatcact	gagctggggc	120
cctacacct	ggacagggac	agtctctatg	tcaatggttt	cacacagcgg	agctctgtgc	180
ccaccactag	cattcctggg	acccccacag	tggacctggg	aacatctggg	actccagttt	240
ctaaacctgg	tccctcggct	gccagccctc	tccctgggtct	attcactctc	aacttcacca	300
tcaccaacct	gcggtatgag	gagaacatgc	agcaccctgg	ctccaggaag	ttcaacacca	360
cggagagggt	ccttcagggc	ctggtccctg	ttcaagagca	ccagtgttgg	ccctctgtac	420
tctggctgca	gactgacttt	gctcaggcct	gaaaaggatg	ggacagccac	tggagtggat	480
gccatctgca	cccaccaccc	tgaccccaaa	agccctaggc	tggacagaga	gcagctgtat	540
tgggagctga	gccagctgac	ccacaatatc	actgagctgg	gcccctatgc	cctggacaac	600
gacagcctct	ttgtcaatgg	tttcaactcat	cggagctctg	tgtccaccac	cagcactcct	660
gggaccccc	cagtgtatct	gggagcatct	aagactccag	cctcgatatt	tggcccttca	720
gctgccagcc	atctcctgat	actattcacc	ctcaacttca	ccatcactaa	cctgcggtat	780
gaggagaaca	tgtggcctgg	ctccaggaag	ttcaacacta	cagagagggt	ccttcagggc	840
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&lt;210&gt; 312

&lt;211&gt; 914

&lt;212&gt; PRT

&lt;213&gt; Homo sapien

&lt;400&gt; 312

```

Met Ser Met Val Ser His Ser Gly Ala Leu Cys Pro Pro Leu Ala Phe
1      5      10      15
Leu Gly Pro Pro Gln Trp Thr Trp Glu His Leu Gly Leu Gln Phe Leu
20      25      30
Asn Leu Val Pro Arg Leu Pro Ala Leu Ser Trp Cys Tyr Ser Leu Ser
35      40      45
Thr Ser Pro Ser Pro Thr Cys Gly Met Arg Arg Thr Cys Ser Thr Leu
50      55      60
Ala Pro Gly Ser Ser Thr Pro Arg Arg Gly Ser Phe Arg Ala Trp Ser
65      70      75      80
Leu Phe Lys Ser Thr Ser Val Gly Pro Leu Tyr Ser Gly Cys Arg Leu
85      90      95
Thr Leu Leu Arg Pro Glu Lys Asp Gly Thr Ala Thr Gly Val Asp Ala
100     105     110
Ile Cys Thr His His Pro Asp Pro Lys Ser Pro Arg Leu Asp Arg Glu
115     120     125
Gln Leu Tyr Trp Glu Leu Ser Gln Leu Thr His Asn Ile Thr Glu Leu
130     135     140
Gly Pro Tyr Ala Leu Asp Asn Asp Ser Leu Phe Val Asn Gly Phe Thr
145     150     155     160
His Arg Ser Ser Val Ser Thr Thr Ser Thr Pro Gly Thr Pro Thr Val
165     170     175
Tyr Leu Gly Ala Ser Lys Thr Pro Ala Ser Ile Phe Gly Pro Ser Ala
180     185     190
Ala Ser His Leu Leu Ile Leu Phe Thr Leu Asn Phe Thr Ile Thr Asn
195     200     205
Leu Arg Tyr Glu Glu Asn Met Trp Pro Gly Ser Arg Lys Phe Asn Thr
210     215     220
Thr Glu Arg Val Leu Gln Gly Leu Leu Arg Pro Leu Phe Lys Asn Thr
225     230     235     240
Ser Val Gly Pro Leu Tyr Ser Gly Cys Arg Leu Thr Leu Leu Arg Pro
245     250     255
Glu Lys Asp Gly Glu Ala Thr Gly Val Asp Ala Ile Cys Thr His Arg
260     265     270
Pro Asp Pro Thr Gly Pro Gly Leu Asp Arg Glu Gln Leu Tyr Leu Glu
275     280     285
Leu Ser Gln Leu Thr His Ser Ile Thr Glu Leu Gly Pro Tyr Thr Leu
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Asp Arg Asp Ser Leu Tyr Val Asn Gly Phe Thr His Arg Ser Ser Val
305     310     315     320
Pro Thr Thr Ser Thr Gly Val Val Ser Glu Glu Pro Phe Thr Leu Asn
325     330     335

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Phe Thr Ile Asn Asn Leu Arg Tyr Met Ala Asp Met Gly Gln Pro Gly  
 340 345 350  
 Ser Leu Lys Phe Asn Ile Thr Asp Asn Val Met Lys His Leu Leu Ser  
 355 360 365  
 Pro Leu Phe Gln Arg Ser Ser Leu Gly Ala Arg Tyr Thr Gly Cys Arg  
 370 375 380  
 Val Ile Ala Leu Arg Ser Val Lys Asn Gly Ala Glu Thr Arg Val Asp  
 385 390 395 400  
 Leu Leu Cys Thr Tyr Leu Gln Pro Leu Ser Gly Pro Gly Leu Pro Ile  
 405 410 415  
 Lys Gln Val Phe His Glu Leu Ser Gln Gln Thr His Gly Ile Thr Arg  
 420 425 430  
 Leu Gly Pro Tyr Ser Leu Asp Lys Asp Ser Leu Tyr Leu Asn Gly Tyr  
 435 440 445  
 Asn Glu Pro Gly Pro Asp Glu Pro Pro Thr Thr Pro Lys Pro Ala Thr  
 450 455 460  
 Thr Phe Leu Pro Pro Leu Ser Glu Ala Thr Thr Ala Met Gly Tyr His  
 465 470 475 480  
 Leu Lys Thr Leu Thr Leu Asn Phe Thr Ile Ser Asn Leu Gln Tyr Ser  
 485 490 495  
 Pro Asp Met Gly Lys Gly Ser Ala Thr Phe Asn Ser Thr Glu Gly Val  
 500 505 510  
 Leu Gln His Leu Leu Arg Pro Leu Phe Gln Lys Ser Ser Met Gly Pro  
 515 520 525  
 Phe Tyr Leu Gly Cys Gln Leu Ile Ser Leu Arg Pro Glu Lys Asp Gly  
 530 535 540  
 Ala Ala Thr Gly Val Asp Thr Thr Cys Thr Tyr His Pro Asp Pro Val  
 545 550 555 560  
 Gly Pro Gly Leu Asp Ile Gln Gln Leu Tyr Trp Glu Leu Ser Gln Leu  
 565 570 575  
 Thr His Gly Val Thr Gln Leu Gly Phe Tyr Val Leu Asp Arg Asp Ser  
 580 585 590  
 Leu Phe Ile Asn Gly Tyr Ala Pro Gln Asn Leu Ser Ile Arg Gly Glu  
 595 600 605  
 Tyr Gln Ile Asn Phe His Ile Val Asn Trp Asn Leu Ser Asn Pro Asp  
 610 615 620  
 Pro Thr Ser Ser Glu Tyr Ile Thr Leu Leu Arg Asp Ile Gln Asp Lys  
 625 630 635 640  
 Val Thr Thr Leu Tyr Lys Gly Ser Gln Leu His Asp Thr Phe Arg Phe  
 645 650 655  
 Cys Leu Val Thr Asn Leu Thr Met Asp Ser Val Leu Val Thr Val Lys  
 660 665 670  
 Ala Leu Phe Ser Ser Asn Leu Asp Pro Ser Leu Val Glu Gln Val Phe  
 675 680 685  
 Leu Asp Lys Thr Leu Asn Ala Ser Phe His Trp Leu Gly Ser Thr Tyr  
 690 695 700  
 Gln Leu Val Asp Ile His Val Thr Glu Met Glu Ser Ser Val Tyr Gln  
 705 710 715 720  
 Pro Thr Ser Ser Ser Ser Thr Gln His Phe Tyr Leu Asn Phe Thr Ile  
 725 730 735  
 Thr Asn Leu Pro Tyr Ser Gln Asp Lys Ala Gln Pro Gly Thr Thr Asn  
 740 745 750  
 Tyr Gln Arg Asn Lys Arg Asn Ile Glu Asp Ala Leu Asn Gln Leu Phe  
 755 760 765  
 Arg Asn Ser Ser Ile Lys Ser Tyr Phe Ser Asp Cys Gln Val Ser Thr  
 770 775 780  
 Phe Arg Ser Val Pro Asn Arg His His Thr Gly Val Asp Ser Leu Cys

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785					790					795				800
Asn	Phe	Ser	Pro	Leu	Ala	Arg	Arg	Val	Asp	Arg	Val	Ala	Ile	Tyr
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Glu	Phe	Leu	Arg	Met	Thr	Arg	Asn	Gly	Thr	Gln	Leu	Gln	Asn	Phe
			820					825				830		
Leu	Asp	Arg	Ser	Ser	Val	Leu	Val	Asp	Gly	Tyr	Phe	Pro	Asn	Arg
		835					840					845		
Glu	Pro	Leu	Thr	Gly	Asn	Ser	Asp	Leu	Pro	Phe	Trp	Ala	Val	Ile
	850					855					860			
Ile	Gly	Leu	Ala	Gly	Leu	Leu	Gly	Leu	Ile	Thr	Cys	Leu	Ile	Cys
865					870				875					880
Val	Leu	Val	Thr	Thr	Arg	Arg	Arg	Lys	Lys	Glu	Gly	Glu	Tyr	Asn
				885					890					895
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			900					905					910	
Leu	Gln													

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 <212> DNA  
 <213> Homo sapiens

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 tgcagtttgt ctacgactcc tcggagaaaa cccacttcaa agacgcagtc agtgctggga 180  
 agcacacagc caactcgcac cactctcttg ccttggtcac ccccgctggg aagtcctatg 240  
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 tgatcctgtc tgcgggtccac atccaacctt ttgacattat ctgagatttt gtcttcagt 360  
 aagagcataa atgcccagtg gatgagcggg agcaactgga agaaaccttg cccctgattt 420  
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 aaatgactgc caaccaggtg cagatccctc gggacagatc ccagtataag cacatgggct 540  
 agaggccgtt aggcaggcac cccctattcc tgctcccca actggatcag gtagaacaac 600  
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<210> 314  
 <211> 519  
 <212> DNA  
 <213> Homo sapiens

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 gtttaaggat ggtctcgggt gttaggccca ctagaataaa ctgagtccaa tacctctaca 180  
 cagttatgtt taactgggct ctctgacacc gggaggaagg tggcgggggt taggtgttgc 240  
 aaacttcaat ggttatgcgg ggatgttcac agagcaagct ttggtatcta gctagtctag 300  
 cattcattag ctaatggtgt cctttggtat ttattaaaat caccacagca tagggggact 360  
 ttatgttttag gttttgtcta agagttagct tatctgcttc ttgtgctaac agggctattg 420  
 ctaccaggga ctttgacat gggggccagc gtttgaaac ctcatctagt ttttttgaga 480  
 gataggccac tggccttgga cctcgccgc gaccacgt 519

<210> 315  
 <211> 441  
 <212> DNA  
 <213> Homo sapiens

```

<400> 315
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cagaggcaac cagggtttat agtgctaggt aaatgtcatc tcttttgtgc tactgactca 180
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atgatttaaa aattccaatg actttcgccc ttgggagaaa tttccaagga aatctctctc 360
gctcgctctc tccgttttcc tttgtgagct tctgggggag ggtagtggt gactttttga 420
tacgaaaaaa tgcattttgt g                                     441

```

<210> 316

<211> 247

<212> DNA

<213> Homo sapiens

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<400> 316
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ccagtctagc ttggtaagaa gagagacatg cccccaacct cggcgccctt tttcctcacg 180
atctgctgtc cttacttcag cgactgcagg agcttcacct gcaagaaaac agcattgagc 240
tgctgac                                     247

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<210> 317

<211> 409

<212> DNA

<213> Homo sapiens

```

<400> 317
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cacgatgtgg gatgaacagc agccttggtt tgtagccag ggtgtccatg gatttgaccc 120
gaatgctccc tggaggccct gtggcgagga caggcactgg atggtccaga ccctctggct 180
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ctgtcaggaa cctggccctg ggagggtcga ggtgagctca caaggagagg tcaagccaag 360
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<210> 318

<211> 320

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)..(320)

<223> n = A,T,C or G

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gtcattggtc aggaagctgt cctggacgta ggccatctcc acatccatgg ggatgccata 180
gtcactgggc ctttgctcgg gagggagcat caccagaaa ggcgagatct tggactcggg 240
gcctgggttg ccagaatagt aaggggagca nagcagggcg aggcagggct ggaagccatt 300
gctggagccc tgcagccgca                                     320

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<210> 319

<211> 212

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(212)

<223> n = A,T,C or G

<400> 319

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aggggggtcct tcctgggtc aggcagatgg gaagatgagg aagccgctga agacgtgtc 120
ggcctcagag ccctggtaaa tgtgaccctt tttgggtct tttcaacc anacctgtc 180
acctgtgtgc agacctggc cgcgaccacg ct 212
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<210> 320

<211> 769

<212> DNA

<213> Homo sapiens

<400> 320

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tggaggtgta gcagtggag gagatgtcag gcaagagtgt cacagcagag ccctaaascc 60
tccaactcac cagtggaga tgagactgcc cagtactcag cttcatctc ctggggccacc 120
tggagggcgt ctttctccat cagcgcatc tgagcagggg tactcagatc cttcttgga 180
cctacaagga agagaagcac actggaaggg tcattctcct tcagggcatc ggccagccac 240
tgcctgccat gggaggtgga aagtaaggga tgagtgtgtc tgaggggcc ctccactga 300
cattcatagg cccaattacc cctctctggt tctacatgc attcttctt ttctgacca 360
cccctctgtt ctgaaccctc tcttcccga gctccatt atattgcagg atgctcactt 420
acttggatg ttccagagat gccacatcat tcaggttgaa gacaatgat atggcttga 480
agagtggcag aaacagcccc aggttgacag ggaagacact actgctcatt tcccaatcc 540
ttccagctcc atatgagaaa gccatgtgca ctctgagacc cacctacccc acttcacca 600
gccccttacc ttgagctcct ctatagtagg ttgatgcaat gcatttgaac ctctcctgcc 660
cagcgtatc ccaactggaa ggaaggaaga gtgaagcaca ggtatgtatc ttggggggtg 720
tgggtgtgtg ggagaaggga tagctggaag ggtgtggaa gcactcaca 769
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<210> 321

<211> 690

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(690)

<223> n = A,T,C or G

<400> 321

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tgggtgtgtg gcggcacctg tgcctgtcag gccagacagc gatagaagcc tttgtctgtg 60
cctactcccc cggaggcaac tgggaggtca acgggaagac aatcatcccc tataagaagg 120
gtgcctgggtg ttcgtctgtc acagccagt tctcaggctg cttcaaagcc tgggaccatg 180
cagggggggt ctgtgaggtc cccaggaatc cttgtcgcag gagctgccag aacctggac 240
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cctgtgacct gagatcgac ggagactgct tcatggtgtc ttcagaggca gacacctatt 480
acagaagcca ggtgaaatg tcagagggaat ggcggggtgc tggcccagat caagagccag 540
aaagtgcagg acatcctgc cttctatctg ggccgcctgg agaccaccaa cgaggtgact 600
gacagtgact ttgagaccag gaacttctg atngggctca cttacaagac cgccaaggac 660
tccttncgt ggccacagg ggagcaccag 690
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<210> 322  
 <211> 104  
 <212> DNA  
 <213> Homo sapiens

<400> 322  
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 acgctcacat cacggacatc atggagcagg accaccacct ggtc 104

<210> 323  
 <211> 118  
 <212> DNA  
 <213> Homo sapiens

<400> 323  
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 actagtgaat gaagaacgaa cactggaagt agaaatagag cctgggggtga gagacgga 118

<210> 324  
 <211> 354  
 <212> DNA  
 <213> Homo sapiens

<400> 324  
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 taacggagat gatgccgaaa acgcaaggcc gaagccaaag ccaggggatg gagagtttgt 180  
 ggaagtcat tctttaccca agaattgacct gctgcagaga cttgatgctc tggtagctga 240  
 agaacatctc acagtggacg ccagggtcta ttctacgct ctagcgtga aacatgcaaa 300  
 tgcaaagcca tttgaagtgc ccttcttgaa attttaagcc caaatatgac actg 354

<210> 325  
 <211> 642  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(642)  
 <223> n = A,T,C or G

<400> 325  
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 ggcacttcaa taggtcgctg attggtcctt gcaccagcag tggtagtcgt acctatttca 180  
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 aatggcctag ttcttgagta cctggaaacc agagagaaag ag 642

<210> 326  
 <211> 455  
 <212> DNA

<213> Homo sapiens

<400> 326

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tccgtgagga tgagcttcga gtccttcacc aggcactgca ggggcacagt cacgtcaatc 60
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acgatgatga ggcccattct ggactcttct gcctcaatta tccttcggac agattcctgc 180
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cgggtgcatgg caaagtagac cactagaggc ccacgggtgg catagaacat ggcgctgggc 360
agaagctggg ccgtcaagtg aatagggaag aagtatgtct gactggccct gttgagcttg 420
actttgagag aaacgccctg tggaactcca acgct 455
```

<210> 327

<211> 321

<212> DNA

<213> Homo sapiens

<400> 327

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aagccaccct cttcccgag catggtgaac aggaagttca taaggacggc gtgtttgcga 180
ggatatttct gacacagggc actgatggcc tggacaacca ccaccttgaa ttcacccgag 240
atttctgaca tgaaggagga gatctgcttc atgaggcggt cgatgctgct ctcgctgccc 300
gtcttaagga ggggtggtgat g 321
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<210> 328

<211> 476

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(476)

<223> n = A,T,C or G

<400> 328

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cagtgtgcag tctgatgaag tctgggtggg tgtggtctac gggctggcag ctaccatgat 120
ccaagaggta atgcactcct tttcccatct ctccaccatc tgtatcctgg ccmagaaaaa 180
cttcccttca aaccaaccaa aatttccttt caaaggcata acccaaatgc catccttggg 240
ccggtctaataaagcctccc ccatttttcc cctgggtatgc attcccaggc tccctggcct 300
tncagggtct nctgtctgtg ggtcatagtt tatctctctc cacttgctgg gagtccttg 360
aaggcaaaga ctctactgcc tccatctatc cagtgggaag ggctcttcag aggggtccaa 420
gttagtatgt atgactgtca tctctcccaa cagggcctga cttggsaggg cttcca 476
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<210> 329

<211> 340

<212> DNA

<213> Homo sapiens

<400> 329

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cgagggagat tgccagcacc ctgatggaga gtgagatgat ggagatcttg tcagtgcctag 60
ctaaggggtga ccacagccct gtcacaaggg ctgctgcagc ctgcctggac aaagcagtgg 120
aatatgggct tatccaaccc aaccaagatg gagagtgagg gggttgtccc tgggccaag 180
gctcatgcac acgctaccta ttgtggcacg gagagtaagg acggaagcag ctttggctgg 240
tgggtggctgg catgccaat actcttgccc atcctcgctt gctgccctag gatgtcctct 300
gttctgagtc agcggccacg ttcagtcaca cagccctgct 340
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<210> 330  
 <211> 277  
 <212> DNA  
 <213> Homo sapiens

<400> 330  
 tgtcaccatc acattggtgc caaataccca gaagacatcg tagatgaaga gtccgcccag 60  
 caggatgcag ccagtgtgta cattgttgag gtgcaggagc tctactccat taagggagaa 120  
 ggccaggcca aaaaggttgt tggcaatcca gtgcttcctc agcaggtagc agacgccaac 180  
 gatgctgctc aggccaggc acaccaggtc cttggtgtca aattcataat tgatgatctc 240  
 ctcttgtttt tcccagaacc ctgtgtgaag agcagac 277

<210> 331  
 <211> 136  
 <212> DNA  
 <213> Homo sapiens

<400> 331  
 ttgcttccca cctcctttct ctgtcctctc ctgaggttct gccttacaat ggggacactg 60  
 atacaaacca cacacacaat gaggatgaaa acagataaca ggtaaaatga cctcacctgc 120  
 ccgggcgggc gctcga 136

<210> 332  
 <211> 184  
 <212> DNA  
 <213> Homo sapiens

<400> 332  
 ttgtgagata aacgcagata ctgcaatgca ttaaaacgct tgaaatactc atcagggatg 60  
 ttgctgatct tattgttgct taagtagaga gttagaagag agacagggag accagaaggc 120  
 agtctggcta tctgattgaa gctcaagtca aggtattcga gtgatttaag acctttaaaa 180  
 gcag 184

<210> 333  
 <211> 384  
 <212> DNA  
 <213> Homo sapiens

<400> 333  
 cggaaaactt cgaggaattg ctcaaagtgc tgggggtgaa tgtgatgctg aggaagattg 60  
 ctgtggctgc agcgtccaag ccagcagtg agatcaaaca ggaggagac actttctaca 120  
 tcaaaacctc caccaccgtg cgcaccacag agattaactt caagggtggg gaggagtgtg 180  
 aggagcagac tgtggatggg aggccctgta agagcctggt gaaatgggag agtgagaata 240  
 aaatggtctg tgagcagaag ctctgaagg gagagggcc caagacctcg tggaccagag 300  
 aactgaccaa cgatggggaa ctgatcctga ccatgacggc ggatgacgtt gtgtgcacca 360  
 gggctctacgt ccgagagtga gcgg 384

<210> 334  
 <211> 169  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(169)  
 <223> n = A,T,C or G

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<400> 334
cnacaaacag agcagacacc ctggatccgg tctgtctact ggccaggacg gctggaccgt 60
aaaattgaat ttccacttcc tgaccgccgc cagaagagat tgattttctc cactatcact 120
agcaagatga acctctctga ggaggttgac ttggaagact atgtngccc 169

```

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<210> 335
<211> 185
<212> DNA
<213> Homo sapiens

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<400> 335
ccagggtttgc agcccaggct gcacatcagg ggactgcctc gcaatacttc atgctgttgc 60
tgctgactga tgggtgctgtg acggatgtgg aagccacacg tgaggctgtg gtgcgtgcct 120
cgaacctgcc catgtcagtg atcattgtgg gtgtgggtgg tgctgacttt gaggccatgg 180
agcag 185

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<210> 336
<211> 358
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(358)
<223> n = A,T,C or G

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<400> 336
ctgcccctgc cttacggcgg ccaganacac acccaggatg gcattggccc caaacttggg 60
tttgtttctc gtcccatcca actccagcat cagggtgtcc agtttctctt gctccaccac 120
agagagacct gagctgatga gggctggcgc gatggtggag ttgatgtggt cactgcctt 180
caggacacct ttgcctaagt aacgctgttt gtctccatcc ctccagctcca gggcctcata 240
gatgcccgta gaggtccac tgggcactgc agcccgaaa agacctttgg cagtatagag 300
atccacctcc actgtggggt tcccgcgga gtccaggatc tcccgggccc agatcttc 358

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<210> 337
<211> 271
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(271)
<223> n = A,T,C or G

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<400> 337
cacaaagcca ccagccnggg aaatcagaat ttacttgatg caactgactt gtaatagcca 60
gaaatcctgc ccagcatggg attcagaacc tgggtctgca ccaaaccac cgtcaaagtt 120
catacaggat aaaacaaatt caattgcctt ttccacatta atagcatcaa gcttcccaa 180
caaagccaaa gttgccaccg cacaaaaaga gaatcttggt tcaatttctc cctactttat 240
aaaagtagat ttttcacatc ccatgaagca g 271

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<210> 338
<211> 326
<212> DNA
<213> Homo sapiens

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 <223> n = A,T,C or G

<400> 338  
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 aatcaggtca aagattttgc ccaactggtc ggcttcagag ttccacaga agagaggctt 180  
 tcgacgaaac atctctgcaa agatacagcc aacactccac atgtccacag gtgttgcata 240  
 tgtggactgc agaagaactt cgggagctcg gtaccagagt gtaacaacca cgggtgtaag 300  
 tgccatctgg tagctgtaga ttctgg 326

<210> 339  
 <211> 260  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(260)  
 <223> n = A,T,C or G

<400> 339  
 ttcactgag gactcatttc gtgccctttg ttgacttcaa gcaaagncct tcanggtctn 60  
 caaggacgnc acatttccac ttgcgaatgn nctcanggt catcttgaag aanaagnanc 120  
 ccaagtgtcg gatcccagac tcgggggtaa ccttgtgggt aagagctcat ccagtttatg 180  
 ctttaggaag tccanctact cgggggagct ggaagcctgc gtggatgcgg ccctgctgga 240  
 cctcggccgc gaccacgcta 260

<210> 340  
 <211> 220  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(220)  
 <223> n = A,T,C or G

<400> 340  
 ctggaagccc ggctnggnet ggcagcgga ggagccaggc aggttcacgc agcgggtgctg 60  
 gcagtagcgg tagcggcact cgtctatgtc cacacactcg ggcccgatct tgcggtaacc 120  
 atcagggcag gtgcactgat aggagccagg caagtatatg cagtccctggc tggggcgaca 180  
 gtcgtgcagg gcctgggcac actcgtccac atccacacag 220

<210> 341  
 <211> 384  
 <212> DNA  
 <213> Homo sapiens

<400> 341  
 ctgctaccag gggagcgaga gctgactatc ccagcctcgg ctaatgtatt ctacgccatg 60  
 gatggagctt cacacgattt cctcctgcgg cagcggcgaa ggtcctctac tgctacaccg 120  
 ggcgtcacca gtggcccgtc tgccctcagga actcctccga gtgaggagg agggggctcc 180  
 tttcccagga tcaaggccac agggaggaag attgcacggg cactgttctg aggaggaagc 240  
 cccgttggct tacagaagtc atggtgttca taccagatgt gggtagccat cctgaatggt 300

ggcaattata tcacattgag acagaaattc agaaagggag ccagccaccc tggggcagtg 360  
 aagtgccact ggtttaccag acag 384

<210> 342

<211> 245

<212> DNA

<213> Homo sapiens

<400> 342

ctggctaagc tcattcattgt tactgggtggg caccatgtcc ttgaagcttc aggcaagcaa 60  
 tgtaaccaac aagaatgacc ccaagtccat caactctcga gtcttcattg gaaacctcaa 120  
 cacagctctg gtgaagaaat cagatgtgga gaccatcttc tctaagtatg gccgtgtggc 180  
 cggtgttct gtgcacaagg gctatgcctt tgttcagtag tccaatgagc gccatgccc 240  
 ggcag 245

<210> 343

<211> 611

<212> DNA

<213> Homo sapiens

<400> 343

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 tctcagccat ctttgaagct tgaaagaaga gtcttttgta ttttgtaaac gtttagcagac 120  
 tttcctgccg gtgtcagaaa atcctattta tgaatcctgt cggatttcct tggatatctga 180  
 aaaaaatacc aaatagtacc atacatgagt tatttctaag tttgaaaaat aaaaagaaat 240  
 tgcattcacac taattacaaa atacaagttc tggaaaaaat atttttcttc attttaaaac 300  
 tttttttaac taataatggc tttgaaagaa gaggtttaat ttgggggtgg taactaaaat 360  
 caaaagaaat gattgacttg aggtctctctg tttggtaaga atacatcatt agcttaaaata 420  
 agcagcagaa ggttagtttt aattatgtag cttctgttaa tattaagtgt tttttgtctg 480  
 ttttacctca atttgaacag ataagtttgc ctgcatgctg gacatgcctc agaaccatga 540  
 atagcccgta ctatgcttgg ggaacatgga tottagagtc ctttggaata agttcttata 600  
 taaatacccc c 611

<210> 344

<211> 311

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(311)

<223> n = A,T,C or G

<400> 344

nctcgaaaaa gcccaagaca gcagaagcag acacctccag tgaactagca aagaaaagca 60  
 aagaagtatt cagaaaagag atgtcccagt tcatcgtcca gtgcctgaac cttaccgga 120  
 aacctgactg caaagtggga agaattacca caactgaaga ctttaaacat ctggctcgca 180  
 agctgactca cggtgttatg aataaggagc tgaagtactg taagaatcct gaggacctgg 240  
 agtgcaatga gaatgtgaaa cacaaaacca aggantacat taanaagtag atgcannan 300  
 tttggggctt g 311

<210> 345

<211> 201

<212> DNA

<213> Homo sapiens

<400> 345

```

cacacggtca tcccgaactgc caacctggag gccagggccc tgtggaagga gccgggcagc 60
aatgtcacca tgagtgtgga tgctgagtgt qtqcccatgg tcagggacct tctcaggtac 120
ttctactccc gaaggattga catcacctg tcgtcagtca agtgcttcca caagctggcc 180
tctgcctatg gggccaggca g                                     201

```

```

<210> 346
<211> 370
<212> DNA
<213> Homo sapiens

```

```

<400> 346
ctgctccagg gcgtggtgtg ccttcgtggc ctctgcctcc tccgaggagc caggctgtgt 60
tctcttcaga atgttctgga gcagcagttt gaggcgggtg atgcgttgga agggcagaat 120
cagaaaggac ttgagggaaa ggcgctggca gacggggtcg ctctccagct tctccaagac 180
ctcccggaaa ttgctgttgc tattcatcag gctctggaag gtgcgttctt gataggtctg 240
gttggtgaca taaggcaggt agaccggcg gaagtctggg gcgtggttca ggactacgtc 300
acatacttgg aaggagaaga tattgttctc aaagttctct tccaggtctg aaaggaacgt 360
ggcgctgacg                                     370

```

```

<210> 347
<211> 416
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(416)
<223> n = A,T,C or G

```

```

<400> 347
ctgttgtgct gtgtatggac gtgggcttta ccatgagtaa ctccattcct ggtatagaat 60
ccccatttga acaagcaaag aagggtgataa ccatgtttgt acagcgacag gtgtttgctg 120
agaacaagga tgagattgct ttagtcctgt ttggtacaga tggcactgac aatccccctt 180
ctggtgggga tcagtatcag aacatcacag tgcacagaca tctgatgcta ccagattttg 240
atttgctgga ggacattgaa agcaaaatcc aaccaggttc tcaacaggct gacttcctgg 300
atgactaat cgtgagcatg gatgtgattc aacatgaaac aataggaaag aagtttgag 360
aagaggcata ttgaaatatt cactgacctc aagcagcccg attcagcaaa agtcan 416

```

```

<210> 348
<211> 351
<212> DNA
<213> Homo sapiens

```

```

<400> 348
gtacaggaga ggatggcagg tgcagagcgg gcaactgagct ctgcaggatga aagggctcgg 60
cagttggatg ctctcctgga ggctctgaaa ttgaaacggg caggaaatag tctggcagcc 120
tctacagcag aagaaacggc aggcagtgcc cagggacgag caggagacag atgccttct 180
cttgtctcaa ctgcaaagag gcgttccttc ctcttttact aatcctcttc agcacagacc 240
ctttacgggt gtcaggctgg gggacagtaa ggtctttccc ttcccacaag gccatatctc 300
aggctgtctc agtgggggga aaccttgac aatacccggg ctttcttggg c 351

```

```

<210> 349
<211> 207
<212> DNA
<213> Homo sapiens

```

```

<220>

```

<221> misc\_feature  
 <222> (1)...(207)  
 <223> n = A,T,C or G

<400> 349  
 nccgggacat ctccaccctc aacagtggca agaagagcct ggagactgaa cacaaggcct 60  
 tgaccagtga gattgcactg ctgcagtcca ggctgaagac agagggctct gatctgtgcg 120  
 acagagtgag cgaaatgcag aagctggatg cacaggtcaa ggagctggtg ctgaagtcgg 180  
 cgggtggaggc tgagcgctg gtggctg 207

<210> 350  
 <211> 323  
 <212> DNA  
 <213> Homo sapiens

<400> 350  
 ccatacaggg ctgttgccca ggccctagag gtcattcctc gtaccctgat ccagaactgt 60  
 ggggccagca ccattccgtct acttacctcc cttcggggca agcacacca ggagaactgt 120  
 gagacctggg gtgtaaatgg tgagacgggt actttgggtg acatgaagga actgggcata 180  
 tgggagccat tggctgtgaa gctgcagact tataagacag cagtggagac ggcagttctg 240  
 ctactgcgaa ttgatgacat cgtttcaggc cacgaaaaga aaggcgatga ccagagccgg 300  
 caaggcgggg ctccctgatgc tgg 323

<210> 351  
 <211> 353  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(353)  
 <223> n = A,T,C or G

<400> 351  
 cgccgcaccc cntggtcctc tccantccct tttcctttnt cngggaacgt gtatgcgggt 60  
 tgtttttggt ttgtagggtt tttttccttc tccacctctc cctgtctctt ttgtccatg 120  
 ttgtccggtt ctgtgggggt aggtttatgt ttttaatcat ctgagggtcac gtctatttcc 180  
 tccggactcg cctgcttggg ggcgattctc caccggttaa tatgggtgcg cccttttttc 240  
 ttttgttgcg aatctgagcc ttcttcctcc agcttctgcc ttttgaactt tgttcttcgg 300  
 ttctgaaacc atacttttac ctgagtttcc gtgaggctga ggctgtgtgc caa 353

<210> 352  
 <211> 467  
 <212> DNA  
 <213> Homo sapiens

<400> 352  
 ctgcccacac tgatcacttg cgagatgtcc ttaggggtaca agaacaggaa ttgaagtctg 60  
 aatttgagca gaacctgtct gagaaactct ctgaacaaga attacaattt cgtcgtctca 120  
 gtcaagagca agttgacaac ttactcttgg atataaatac tgccatagcc agactcagag 180  
 gaatcgaaca ggctgttcag agccatgcag ttgtgaaga ggaagccaga aaagcccacc 240  
 aactctggct ttcaagtggg gcattaaagt acagcatgaa gacctcatct gcagaaacac 300  
 ctactatccc gctgggtagt gcagttgagg ccatcaaagc caactgttct gataatgaat 360  
 tcacccaagc tttaaccgca gctatccctc cagagtccct gaccctgagg gtgtacagtg 420  
 aagagaccct tagagcccgt ttctatgctg ttcaaaaact ggcccga 467

<210> 353

<211> 350  
 <212> DNA  
 <213> Homo sapiens

<400> 353  
 ctgctgcagc cacagtagtt cctcccatgg tgggtggccc tctgggtcct gctggcccag 60  
 gaaatctgtc cccaccagga acagcccctg gaaaacggcc ccgtcctcta ccacottgtg 120  
 gaaatgctgc acgggaactg cctcctggag gaccagcttt accttcccca gacatttgtc 180  
 ctgattgtgt agttttcctg gactgcattt caaattgact caggaactgt ttattgcatg 240  
 gagttacaac aggattctga ccatgaagtt ctcttttagg taacagatcc attaaccttt 300  
 ttgaagatgc ttcagatcca acaccaacaa gggcaaacc ctttgactgg 350

<210> 354  
 <211> 351  
 <212> DNA  
 <213> Homo sapiens

<400> 354  
 atttagatga gatctgaggc atggagacat ggagacagta tacagactcc tagatttaag 60  
 ttttaggttt tttgcttttc taatcaccaa ttcttatata caatgtatat tttagactcg 120  
 agcagatgat catcttcacg ttaagtcatt ccttttgact gagtatggca ggattagagg 180  
 gaatggcagt atagatcaat gtctttttct gtaaagtata ggaaaaacca gagaggaaaa 240  
 aaagagctga caattggaag gtagtagaaa attgacgata atttcttctt aacaataaat 300  
 agttgtatat acaaggaggc tagtcaacca gattttatit gttgagggcg a 351

<210> 355  
 <211> 308  
 <212> DNA  
 <213> Homo sapiens

<400> 355  
 ttttggcgca agttttacag atttttattaa agtcgaagct attggtcttg gaagatgaaa 60  
 atgcaaatgt tgatgagggtg gaattgaagc cagatacctt aataaaatta tatcttggtt 120  
 ataaaaataa gaaattaagg gttaacatca atgtgccaat gaaaaccgaa cagaagcagg 180  
 aacaagaaac cacacacaaa aacatcgagg aagaccgcaa actactgatt caggcggcca 240  
 tcgtgagaat catgaagatg aggaagggtc tgaaacacca gcagttactt ggcgaggtcc 300  
 tcactcag 308

<210> 356  
 <211> 207  
 <212> DNA  
 <213> Homo sapiens

<400> 356  
 ctgtcccaag tgctcccaga aggcaggatt ctgaagacca ctccagcgat atgttcaact 60  
 atgaagaata ctgcaccgcc aacgcagtca ctgggccttg ccgtgcatcc ttcccacgct 120  
 ggtactttga cgtggagagg aactcctgca ataacttcat ctatggaggc tgccggggca 180  
 ataagaacag ctaccgctct gaggagg 207

<210> 357  
 <211> 188  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(188)

<223> n = A,T,C or G

<400> 357

```
tcgaccacgc cctcgtagcg catgngctnc aggacgatgc tcagagtgat gaacaccccg 60
gtgcggccca cgccagcact gcagtgcacc gtgataggcc catcctgtcc aaactgctcc 120
ttggtcttat gcacctgcc gatgaagtca atgaatccct cgctgtctt gggcacgccc 180
tgctctgg                                     188
```

<210> 358

<211> 291

<212> DNA

<213> Homo sapiens

<400> 358

```
ctgggagcat cggcaagcta ctgccttaaa atccgatctc cccgagtgca caatttctgt 60
cccttttaag ggttcacaac actaaagatt tcacatgaaa gggttgtgat tgatttgagc 120
aggcaggcgg tacgtgacag gggctgcatg caccggtggt cagagagaaa cagaacaggg 180
caggaattt cacaatgttc ttctatacaa tggctggaat ctatgaataa catcagtttc 240
taagttatgg gttgattttt aactactggg tttaggccag gcaggcccag g 291
```

<210> 359

<211> 117

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(117)

<223> n = A,T,C or G

<400> 359

```
gccaccacac tccagcctgg gcaatacagc aagactgtct caaaaaaaaa aaaaaaaaaa 60
ccccaaaaaa ctcaaaaang taatgaatga tacccaangn gccttttcta gaaaaag 117
```

<210> 360

<211> 394

<212> DNA

<213> Homo sapiens

<400> 360

```
ctgttcctct ggggtggtcc agttctagag tgggagaaa ggagtcaggc gcattgggaa 60
tcgtggttcc agtctggttg cagaatctgc acatttgcca agaaatttc cctgtttgga 120
aagtttgccc cagctttccc gggcacacca ccttttgccc caagtgtctg ccggtcgacc 180
aatctgcctg ccacacattg accaagccag acccggttca cccagctcga ggatcccagg 240
ttgaagagtg gcccttgag gccctggaaa gaccaatcac tggacttctt cccttgagag 300
tcagagggtca cccgtgattc tgctgcacc ttatcattga tctgcagtga tttctgcaaa 360
tcaagagaaa ctctgcaggg cactccctg tttc 394
```

<210> 361

<211> 394

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(394)

<223> n = A,T,C or G



```

<400> 361
ctgggcggat agcaccgggc atattttntt natggatgag gtctggcacc ctgagcagtc 60
cagcgaggac ttggtcttag ttgagcaatt tggctaggag gatagtatgc agcacgggtc 120
tgagtctgtg ggatagctgc catgaagtaa cctgaaggag gtgctggctg gtaggggttg 180
attacagggt tgggaacagc tcgtacactt gccattctct gcatatactg gttagtgagg 240
tgagcctggc gctcttcttt gcgctgagct aaagctacat acaatggctt tgtggacctc 300
ggccgcgacc acgctaagcc gaattccagc acactggcgg ccgttactag tggatccgag 360
ctcggtagca agcttggcgt aatcatggtc atag                                     394

```

```

<210> 362
<211> 268
<212> DNA
<213> Homo sapiens

```

```

<400> 362
ctgcgcgtgg accagtcagc ttccgggtgt gactggagca gggcttgtcg tcttcttcag 60
agtcactttg caggggttgg tgaagctgct cccatccatg tacagctccc agtctactga 120
tgtttaagga tggctcgtgt ggtagggccc actagaataa actgagtcca atacctctac 180
acagttatgt ttaactgggc tctctgacac cgggaggaag gtggcggggt ttaggtgttg 240
caaacttcaa tggttatgcg gggatggt                                     268

```

```

<210> 363
<211> 323
<212> DNA
<213> Homo sapiens

```

```

<400> 363
ccttgacctt ttcagcaagt gggaagggtgt aatccgtctc cacagacaag gccaggactc 60
gtttgtaccc gttgatgata gaatggggta ctgatgcaac agttgggtag ccaatctgca 120
gacagacact ggcaacattg cggacaccct ccaggaagcg agaatgcaga gtttcctctg 180
tgatatcaag cacttcaggg ttgtagatgc tgccattgtc gaacacctgc tggatgacca 240
gcccaaagga gaagggggag atgttgagca tggtcagcag cgtggcttcg ctggctccca 300
ctttgtctcc agtcttgatc aga                                     323

```

```

<210> 364
<211> 393
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(393)
<223> n = A,T,C or G

```

```

<400> 364
ccaagctctc catcgteccc gtgcgcagng gctactgggg gaacaagatc ggcaagcccc 60
acactgtccc ttgcaagggt acaggccgct ggggtctgt gctggtacgc ctcatcactg 120
caccaggggg cactggcatc gtctccgcac ctgtgcctaa gaagctgctc atgatggctg 180
gcatcgatga ctgctacacc tcagcccggg gctgcactgc caccctgggc aacttcgcca 240
aggccacctt tgatgccatt tctaagacct acagctacct gacccccgac ctctggaagg 300
agactgtatt caccaagtct ccctatcagg agttcactga ccacctcgtc aagaccacca 360
ccagagtctc cgtgcagcgg actcaggctc cag                                     393

```

```

<210> 365
<211> 371
<212> DNA

```

<213> Homo sapiens

<400> 365

```
cctcctcaga gcggtagctg ttctttattgc cccggcagcc tccatagatg aagttattgc 60
aggagttcct ctccacgtca aagtaccagc gtgggaagga tgcacggcaa ggcccagtga 120
ctgcggttggc ggtgcagtat tcttcatagt tgaacatata gctggagtgg tcttcagaat 180
cctgccttct gggagcactt gggacagagg aatccgctgc attcctgctg gtggacctcg 240
gccgcgacca cgctaagccg aattccagca cactggcggc cgttactagt ggatccgagc 300
tcggtacca gcttggcgta atcatggtca tagctgttcc ctgtgtgaaa ttgttatccg 360
ctcacaattc c 371
```

<210> 366

<211> 393

<212> DNA

<213> Homo sapiens

<400> 366

```
atttcttgcc agatgggagc tctttggtga agactccttt cgggaaaagt tttttggctt 60
cttcttcagg gatggttga aggacctca cactatcccc atccttccaa tcaactgggg 120
tggaaccct tttttctgct gtcagctgga gagagatgac taccctgaga atctcatcaa 180
agttcctgcc agtggtagct gggtagagga tagacagctt cagcttctta tcaggaccaa 240
aaacaaacac cacacgagct gccacaggca tgcccttttc atccttctct gctggatcca 300
gcatgcccaa caggatggca agctcccgat tcctatcatc gatgatggga aaaggtaact 360
tttctgtggg ctcttcacaa ttgtaagcat tga 393
```

<210> 367

<211> 327

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(327)

<223> n = A,T,C or G

<400> 367

```
ccagctctgt ctcatacttg actctaaagt cttnagcagc aagacgggca ttgnnaatct 60
gcagaacgat gcgggcattg tccacagtat ttgcgaagat ctgagccctc aggtcctcga 120
tgatcttgaa gtaatggctc cagtctctga cctggggctc cttcttctcc aagtgcctcc 180
ggattttgct ctccagcctc cggttctcgg tctccaggct cctcactctg tccaggtaa 240
aggccaggcg gtcgttcagg ctttgcatgg tctccttctc gttctggatg cctccattc 300
ctgccagacc cccggctatc ccggtgg 327
```

<210> 368

<211> 306

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(306)

<223> n = A,T,C or G

<400> 368

```
ctggagaagg acttcagcag tttnaagaag tactgccaag tcatccgtgt cattgcccac 60
accagatgc gcctgcttcc tctgcgccag aagaaggccc acctgatgga gatccagggtg 120
aacggaggca ctgtggccga gaagctggac tgggcccgcg agaggcttga gcagcaggta 180
```

```
cctgtgaacc aagtgtttgg gcaggatgag atgatcgacg tcatcggggt gaccaagggc 240
aaaggctaca aaggggtcac cagtcgttgg cacaccaaga agctgccccg caagaccac 300
cgagga                                           366
```

<210> 369

<211> 394

<212> DNA

<213> Homo sapiens

<400> 369

```
tcgaccacac ccggaacacg gagagctggg ccagcattgg cacttgatag gatttcccgt 60
cggtgccac gaaagtgcgt ttctttgtgt tctcgggttg gaaccgtgat ttccacagac 120
ccttgaaata cactgcgttg acgaggacca gtctgggtgag cacaccatca ataagatctg 180
gggacagcag attgtcaatc atatccctgg ttctattttt aacctatgca ttgatggaat 240
cacaggcaga ggctggatcc tcaaagttca cattccggac ctcacactgg aacacatctt 300
tgttccttgt aacaaaaggc acttcaattt cagaggcatt cttacaaaac acggcggttag 360
ccactgtcac aatgtcttta ttcttcttgg agac                                           394
```

<210> 370

<211> 653

<212> DNA

<213> Homo sapiens

<400> 370

```
ccaccacacc caattccttg ctggtatcat ggcagccgcc acgtgccagg attaccggct 60
acatcatcaa gtatgagaag cctgggtctc ctcccagaga agtggtcctt cggccccgcc 120
ctggtgtcac agaggtactt attactggcc tgggaaccggg aaccgaatat acaatttatg 180
tcattgccct gaagaataat cagaagagcg agcccctgat tggaaaggaaa aagacagacg 240
agcttcccca actgtaacc cttccacacc ccaatcttca tggaccagag atcttggatg 300
ttccttccac agttcaaaag acccctttcg taccacccc tgggtatgac actggaaatg 360
gtattcagct tcctggcact tctggtcagc aaccagtggt tgggcaacaa atgatctttg 420
aggaacatgg ttttaggcgg accacaccgc ccacaacggc caccaccata aggcataaggc 480
caagaccata ccgcgcgaat gtaggacaag aagctctctc tcagacaacc atctcatggg 540
ccccattcca ggacacttct gagtacatca ttctatgtca tcctgttggc actgatgaag 600
aacccttaca gttcagggtt cctggaactt ctaccagtgc cactctgaca gga                                           653
```

<210> 371

<211> 268

<212> DNA

<213> Homo sapiens

<400> 371

```
ctgcccagcc cccattggcg agtttgagaa ggtgtgcagc aatgacaaca agaccttcca 60
ctcttcctgc cacttctttg ccacaaagtg caccctggag ggcaccaaga agggccacaa 120
gtccaccttg gactacatcg ggcccttgcaa atacatcccc ccttgccctgg actctgagct 180
gaccgaattc cccctgcgca tgcgggactg gctcaagaac gtcctggtca ccctgtatga 240
gagggatgag gacaacaacc ttctgact                                           268
```

<210> 372

<211> 392

<212> DNA

<213> Homo sapiens

<400> 372

```
gctggtgccc ctggtgaacg tggacctcct ggattggcag gggccccagg acttagaggt 60
ggaactgggtc cccttggtcc cgaaggagga aagggtgctg ctggtcctcc tgggccacct 120
ggtgctgctg gtactcctgg tctgcaagga atgcctggag aaagaggagg tcttggaaat 180
```

```

cctggtccaa aggggtgacaa ggggtgaacca ggcggtccag gtgctgatgg tgtcccagg 240
aaagatggcc aaagggtgcc tactggctct attagtctct ctggcccagc tggccagcct 300
ggagataagg gtgaagggtg tgcctccgga cttccaggta tagctggacc tcgtggtagc 360
cctggtgaga gaggtgaaac ctgcgcccgc ac 392

```

```

<210> 373
<211> 388
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(388)
<223> n = A,T,C or G

```

```

<400> 373
ccaagcgctc agatcggcaa ggggcaccaa ttttgatctg ccagtgac acccccacaa 60
ccaggtcagc gatgaaggta tcttcagtct ccccgaaacg atgagacacc atgacgcccc 120
aaccattggc ctgggccagc ttgcacgcct gaagagactc ggtcacggag ccaatctggt 180
tgactttgag caggaggcag ttgcaggact tctcgttcac ggccttgccg atcctctttg 240
ggttggtcac tgtgagatca tccccacta cctggattcc tgactggct gtgaacttct 300
gccaagctcc ccagtcaccc ttgtcaaagg gatcttcgat agacaccact gggtagtcct 360
tgatgaagga cttgtacagg tcagccag 388

```

```

<210> 374
<211> 393
<212> DNA
<213> Homo sapiens

```

```

<400> 374
ctgacgaccg cgtgaacccc tgcattgggg gtgtcatcct cttccatgag aactctacc 60
agaaggcgga tgatgggcgt cccttcccc aagttatcaa atccaagggc ggtgttggtg 120
gcatcaaggt agacaagggc gtggtcccc tggcagggac aaatggcgag actaccacc 180
aagggttggg tgggctgtct gagcgctgtg ccagtagcaa gaaggacgga gctgacttcg 240
ccaagtggcg ttgtgtgctg aagattgggg aacacacccc ctacgccctc gccatcatgg 300
aaaatgccaa tgttctggcc cgttatgccg gtatctgccg gcagaatggc attgtgccca 360
tcgtggagcc tgagatcctc cctgatgggg acc 393

```

```

<210> 375
<211> 394
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(394)
<223> n = A,T,C or G

```

```

<400> 375
ccacaaatgg cgtggtccat gtcacacccn tntttctgca gcctccagcc aacagacctc 60
aggaaagagg ggtgaactt gcagactctg cgcttgagat cttcaaaca gcatcagcgt 120
tttccagggc ttcccagagg tctgtgcgac tagccctgt ctatcaaaag ttattagaga 180
ggatgaagca ttagcttgaa gcactacagg aggaatgcac cacggcagct ctccgccaat 240
ttctctcaga tttccacaga gactgtttga atgttttcaa aaccaagtat cacacttta 300
tgtacatggg ccgcaccata atgagatgtg agccttgtgc atgtggggga ggaggagag 360
agatgtactt tttaaatcat gttcccccta aaca 394

```

<210> 376  
 <211> 392  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(392)  
 <223> n = A,T,C or G

<400> 376  
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 ctcttcctgc cacttctttg ccacaaagtg caccctggag ggcaccaaga agggccacaa 120  
 gctccacctg gactacatcg ggccttgcaa atacatcccc ccttgccctg actctgagct 180  
 gaccgaattc cccctgcgca tgcgggactg gctcaagaac gtcctggtca ccctgtatga 240  
 gagggatgag gacaacaacc ttctgactga gaagcagaag ctgcggtgga agaagatcca 300  
 tgagaatgag aagcgccctg aggcaggaga ccaccccggt gagctgctgg cccgggactt 360  
 cgagaagaac tataacatgt acatcttccc tg 392

<210> 377  
 <211> 292  
 <212> DNA  
 <213> Homo sapiens

<400> 377  
 caatgtttga tgcttaaccc cccaatttc tgtgagatgg atggccagtg caagcgtgac 60  
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 ctgccatatg gaggaggctc tggagtcctg ctctgtgtgg tccaggtcct ttccaccctg 180  
 agacttggtc ccaccactga tatcctcctt tggggaaaagg cttggcacac agcaggcttt 240  
 caagaagtgc cagttgatca atgaataaat aaacgagcct atttctcttt gc 292

<210> 378  
 <211> 395  
 <212> DNA  
 <213> Homo sapiens

<400> 378  
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 aataccagca ccagaaccag ccactcctac tgttgagca cctgcaccaa taaatttggc 120  
 agcagtatca atgtctctgc tgattgcact ggtctgaaac tccctttgga ttagctgaga 180  
 cacaccattc tgggccctga ttttctaag atagaactcc aactctttgc cctctagcac 240  
 atagccatct gctcgccac actgtcccgg ccttgaagcg atgcacgcaa gaagcttgcc 300  
 ctgctggaac tgctcctcca ggagactgct gatcttggca ttctttttcc tttcatcata 360  
 tttcttctga atttttttaga tcgttttttg tttaa 395

<210> 379  
 <211> 223  
 <212> DNA  
 <213> Homo sapiens

<400> 379  
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 agctccagcc accaccaggc tgagcagtga ggagagaaag tttctgcctg gccctgcac 120  
 tggttccagc ccacctgccc tccccttttt cgggactctg tattccctct tgggctgacc 180  
 acagcttctc cctttcccaa ccaataaagt aaccactttc agc 223

<210> 380

<211> 317  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(317)  
 <223> n = A,T,C or G

<400> 380  
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 ggggtgcagga gaacaaggta gaccagtga gacagaatatg tatcggggat atagaccacg 120  
 attccgcagg ggccttcctc gccaaagaca gcctagagag gacggcaatg aagaagataa 180  
 agaaaatcaa ggagatgaga cccaagggtca gcagccacct caacgtcggg accgccgcaa 240  
 cttcaattac cgacgcagac gccagaaaa ccctaaacca caagatggca aagagacaaa 300  
 agcagccgat ccaccag 317

<210> 381  
 <211> 392  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(392)  
 <223> n = A,T,C or G

<400> 381  
 cctgaaggaa gagctggcct acctgaatnn naaccatgag gaggaatatca gtacgctgag 60  
 gggccaagtg ggaggccagg tcagtgtgga ggtggattcc gtcgcgggca ccgatctcgc 120  
 caagatcctg agtgacatgc gaagccaata tgagggtcatg gccgagcaga accggaagga 180  
 tgctgaagcc tgggtcacca gccggactga agaattgaac cgggaggtcg ctggccacac 240  
 ggagcagctc cagatgagca ggtccgaggt tactgacctg cggcgacccc ttcaggggtct 300  
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 ctggcgggccg ttactagtgg atccgagctc gg 392

<210> 382  
 <211> 234  
 <212> DNA  
 <213> Homo sapiens

<400> 382  
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 ccgcgacttc gttcaggtag atgaagagct ccaaggagggt ctggtgggtg gtgccatcct 180  
 tgacgttggc caccttcaca gggacccctt ttttgaactc catctccaga atgt 234

<210> 383  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(396)  
 <223> n = A,T,C or G

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 tggtgatacc taaagcctgg aaaaaggagg tcttctcggg cccgagacca gtgttctggg 240  
 ctggcacagt gacttcacat ggggcaatgg caccagcacg ggcagcagac ctgcccgggc 300  
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 taccaagctt ggcgtaatca tggatcatagc tgtttc 396

<210> 384  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<400> 384  
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 ccttctcagc agcagcctgc tcttcttttt caatctcttc aggatctctg tagaagtaca 180  
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 taacataaga tgcctccgtg agaggctggt ggtcag 396

<210> 385  
 <211> 2943  
 <212> DNA  
 <213> Homo sapiens

<400> 385  
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 cctacaccct ggacagggac agtctctatg tcaatggttt cacacagcgg agctctgtgc 180  
 ccaccactag cattcctggg acccccacag tggacctggg aacatctggg actccagttt 240  
 ctaaacctgg tccctcggct gccagccctc tcttggtgct attcactctc aacttcacca 300  
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 gccatctgca cccaccacc tgaccccaaa agccctaggc tggacagaga gcagctgtat 540  
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 gacagcctct ttgtcaatgg ttctactcat cggagctctg tgtccaccac cagcactcct 660  
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<210> 386

<211> 2608

<212> DNA

<213> Homo sapiens

<400> 386

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taagactcca gcctcgatat ttggcccttc agctgccagc catctcctga tactattcac 360
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caccaccagc accggggtgg tcagcgagga gccattcaca ctgaacttca ccatcaacaa 780
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<210> 387
<211> 1761
<212> DNA
<213> Homo sapiens
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<210>	388
<211>	772
<212>	PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 388

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Met Ser Met Val Ser His Ser Gly Ala Leu Cys Pro Pro Leu Ala Phe
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Leu Gly Pro Pro Gln Trp Thr Trp Glu His Leu Gly Leu Gln Phe Leu
      20                      25                      30

Asn Leu Val Pro Arg Leu Pro Ala Leu Ser Trp Cys Tyr Ser Leu Ser
      35                      40                      45

Thr Ser Pro Ser Pro Thr Cys Gly Met Arg Arg Thr Cys Ser Thr Leu
      50                      55                      60

Ala Pro Gly Ser Ser Thr Pro Arg Arg Gly Ser Phe Arg Ala Trp Ser
      65                      70                      75                      80

Leu Phe Lys Ser Thr Ser Val Gly Pro Leu Tyr Ser Gly Cys Arg Leu
      85                      90                      95

Thr Leu Leu Arg Pro Glu Lys Asp Gly Thr Ala Thr Gly Val Asp Ala
      100                     105                     110

Ile Cys Thr His His Pro Asp Pro Lys Ser Pro Arg Leu Asp Arg Glu
      115                     120                     125

Gln Leu Tyr Trp Glu Leu Ser Gln Leu Thr His Asn Ile Thr Glu Leu
      130                     135                     140

Gly Pro Tyr Ala Leu Asp Asn Asp Ser Leu Phe Val Asn Gly Phe Thr
      145                     150                     155                     160

His Arg Ser Ser Val Ser Thr Thr Ser Thr Pro Gly Thr Pro Thr Val
      165                     170                     175

Tyr Leu Gly Ala Ser Lys Thr Pro Ala Ser Ile Phe Gly Pro Ser Ala
      180                     185                     190

Ala Ser His Leu Leu Ile Leu Phe Thr Leu Asn Phe Thr Ile Thr Asn
      195                     200                     205

Leu Arg Tyr Glu Glu Asn Met Trp Pro Gly Ser Arg Lys Phe Asn Thr
      210                     215                     220

Thr Glu Arg Val Leu Gln Gly Leu Leu Arg Pro Leu Phe Lys Asn Thr
      225                     230                     235                     240

Ser Val Gly Pro Leu Tyr Ser Gly Cys Arg Leu Thr Leu Leu Arg Pro
      245                     250                     255

Glu Lys Asp Gly Glu Ala Thr Gly Val Asp Ala Ile Cys Thr His Arg
      260                     265                     270

Pro Asp Pro Thr Gly Pro Gly Leu Asp Arg Glu Gln Leu Tyr Leu Glu
      275                     280                     285

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Leu Ser Gln Leu Thr His Ser Ile Thr Glu Leu Gly Pro Tyr Thr Leu  
 290 295 300  
 Asp Arg Asp Ser Leu Tyr Val Asn Gly Phe Thr His Arg Ser Ser Val  
 305 310 315 320  
 Pro Thr Thr Ser Thr Gly Val Val Ser Glu Glu Pro Phe Thr Leu Asn  
 325 330 335  
 Phe Thr Ile Asn Asn Leu Arg Tyr Met Ala Asp Met Gly Gln Pro Gly  
 340 345 350  
 Ser Leu Lys Phe Asn Ile Thr Asp Asn Val Met Lys His Leu Leu Ser  
 355 360 365  
 Pro Leu Phe Gln Arg Ser Ser Leu Gly Ala Arg Tyr Thr Gly Cys Arg  
 370 375 380  
 Val Ile Ala Leu Arg Ser Val Lys Asn Gly Ala Glu Thr Arg Val Asp  
 385 390 395 400  
 Leu Leu Cys Thr Tyr Leu Gln Pro Leu Ser Gly Pro Gly Leu Pro Ile  
 405 410 415  
 Lys Gln Val Phe His Glu Leu Ser Gln Gln Thr His Gly Ile Thr Arg  
 420 425 430  
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 435 440 445  
 Asn Glu Pro Gly Pro Asp Glu Pro Pro Thr Thr Pro Lys Pro Ala Thr  
 450 455 460  
 Thr Phe Leu Pro Pro Leu Ser Glu Ala Thr Thr Ala Met Gly Tyr His  
 465 470 475 480  
 Leu Lys Thr Leu Thr Leu Asn Phe Thr Ile Ser Asn Leu Gln Tyr Ser  
 485 490 495  
 Pro Asp Met Gly Lys Gly Ser Ala Thr Phe Asn Ser Thr Glu Gly Val  
 500 505 510  
 Leu Gln His Leu Leu Arg Pro Leu Phe Gln Lys Ser Ser Met Gly Pro  
 515 520 525  
 Phe Tyr Leu Gly Cys Gln Leu Ile Ser Leu Arg Pro Glu Lys Asp Gly  
 530 535 540  
 Ala Ala Thr Gly Val Asp Thr Thr Cys Thr Tyr His Pro Asp Pro Val  
 545 550 555 560  
 Gly Pro Gly Leu Asp Ile Gln Gln Leu Tyr Trp Glu Leu Ser Gln Leu  
 565 570 575  
 Thr His Gly Val Thr Gln Leu Gly Phe Tyr Val Leu Asp Arg Asp Ser  
 580 585 590

Leu Phe Ile Asn Gly Tyr Ala Pro Gln Asn Leu Ser Ile Arg Gly Glu  
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Tyr Gln Ile Asn Phe His Ile Val Asn Trp Asn Leu Ser Asn Pro Asp  
610 615 620

Pro Thr Ser Ser Glu Tyr Ile Thr Leu Leu Arg Asp Ile Gln Asp Lys  
625 630 635 640

Val Thr Thr Leu Tyr Lys Gly Ser Gln Leu His Asp Thr Phe Arg Phe  
645 650 655

Cys Leu Val Thr Asn Leu Thr Met Asp Ser Val Leu Val Thr Val Lys  
660 665 670

Ala Leu Phe Ser Ser Asn Leu Asp Pro Ser Leu Val Glu Gln Val Phe  
675 680 685

Leu Asp Lys Thr Leu Asn Ala Ser Phe His Trp Leu Gly Ser Thr Tyr  
690 695 700

Gln Leu Val Asp Ile His Val Thr Glu Met Glu Ser Ser Val Tyr Gln  
705 710 715 720

Pro Thr Ser Ser Ser Ser Thr Gln His Phe Tyr Leu Asn Phe Thr Ile  
725 730 735

Thr Asn Leu Pro Tyr Ser Gln Asp Lys Ala Gln Pro Gly Thr Thr Asn  
740 745 750

Tyr Gln Arg Asn Lys Arg Asn Ile Glu Asp Ala Ala Pro His Arg Gly  
755 760 765

Gly Leu Pro Val  
770

<210> 389

<211> 833

<212> PRT

<213> Homo sapiens

<400> 389

Phe Lys Ser Thr Ser Val Gly Pro Leu Tyr Ser Gly Cys Arg Leu Thr  
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20 25 30

Cys Thr His His Pro Asp Pro Lys Ser Pro Arg Leu Asp Arg Glu Gln  
35 40 45

Leu Tyr Trp Glu Leu Ser Gln Leu Thr His Asn Ile Thr Glu Leu Gly  
50 55 60

Pro Tyr Ala Leu Asp Asn Asp Ser Leu Phe Val Asn Gly Phe Thr His  
65 70 75 80

Arg Ser Ser Val Ser Thr Thr Ser Thr Pro Gly Thr Pro Thr Val Tyr  
 85 90 95  
 Leu Gly Ala Ser Lys Thr Pro Ala Ser Ile Phe Gly Pro Ser Ala Ala  
 100 105 110  
 Ser His Leu Leu Ile Leu Phe Thr Leu Asn Phe Thr Ile Thr Asn Leu  
 115 120 125  
 Arg Tyr Glu Glu Asn Met Trp Pro Gly Ser Arg Lys Phe Asn Thr Thr  
 130 135 140  
 Glu Arg Val Leu Gln Gly Leu Leu Arg Pro Leu Phe Lys Asn Thr Ser  
 145 150 155 160  
 Val Gly Pro Leu Tyr Ser Gly Cys Arg Leu Thr Leu Leu Arg Pro Glu  
 165 170 175  
 Lys Asp Gly Glu Ala Thr Gly Val Asp Ala Ile Cys Thr His Arg Pro  
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 Asp Pro Thr Gly Pro Gly Leu Asp Arg Glu Gln Leu Tyr Leu Glu Leu  
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 Ser Gln Leu Thr His Ser Ile Thr Glu Leu Gly Pro Tyr Thr Leu Asp  
 210 215 220  
 Arg Asp Ser Leu Tyr Val Asn Gly Phe Thr His Arg Ser Ser Val Pro  
 225 230 235 240  
 Thr Thr Ser Thr Gly Val Val Ser Glu Glu Pro Phe Thr Leu Asn Phe  
 245 250 255  
 Thr Ile Asn Asn Leu Arg Tyr Met Ala Asp Met Gly Gln Pro Gly Ser  
 260 265 270  
 Leu Lys Phe Asn Ile Thr Asp Asn Val Met Lys His Leu Leu Ser Pro  
 275 280 285  
 Leu Phe Gln Arg Ser Ser Leu Gly Ala Arg Tyr Thr Gly Cys Arg Val  
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 Ile Ala Leu Arg Ser Val Lys Asn Gly Ala Glu Thr Arg Val Asp Leu  
 305 310 315 320  
 Leu Cys Thr Tyr Leu Gln Pro Leu Ser Gly Pro Gly Leu Pro Ile Lys  
 325 330 335  
 Gln Val Phe His Glu Leu Ser Gln Gln Thr His Gly Ile Thr Arg Leu  
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 Gly Pro Tyr Ser Leu Asp Lys Asp Ser Leu Tyr Leu Asn Gly Tyr Asn  
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 Glu Pro Gly Pro Asp Glu Pro Pro Thr Thr Pro Lys Pro Ala Thr Thr  
 370 375 380

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Phe Leu Pro Pro Leu Ser Glu Ala Thr Thr Ala Met Gly Tyr His Leu  
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 405 410 415  
 Asp Met Gly Lys Gly Ser Ala Thr Phe Asn Ser Thr Glu Gly Val Leu  
 420 425 430  
 Gln His Leu Leu Arg Pro Leu Phe Gln Lys Ser Ser Met Gly Pro Phe  
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 Tyr Leu Gly Cys Gln Leu Ile Ser Leu Arg Pro Glu Lys Asp Gly Ala  
 450 455 460  
 Ala Thr Gly Val Asp Thr Thr Cys Thr Tyr His Pro Asp Pro Val Gly  
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 Pro Gly Leu Asp Ile Gln Gln Leu Tyr Trp Glu Leu Ser Gln Leu Thr  
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 His Gly Val Thr Gln Leu Gly Phe Tyr Val Leu Asp Arg Asp Ser Leu  
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 515 520 525  
 Gln Ile Asn Phe His Ile Val Asn Trp Asn Leu Ser Asn Pro Asp Pro  
 530 535 540  
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 Thr Thr Leu Tyr Lys Gly Ser Gln Leu His Asp Thr Phe Arg Phe Cys  
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 Glu Lys Asp Gly Ala Ala Thr Gly Val Asp Thr Thr Cys Thr Tyr His  
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2627

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35 40 45

Ala Ile Ala Leu Ile Ile Gly Phe Gly Ile Ser Gly Arg His Ser Ile  
50 55 60

Thr Val Thr Thr Val Ala Ser Ala Gly Asn Ile Gly Glu Asp Gly Ile  
65 70 75 80

Leu Ser Cys Thr Phe Glu Pro Asp Ile Lys Leu Ser Asp Ile Val Ile  
85 90 95

Gln Trp Leu Lys Glu Gly Val Leu Gly Leu Val His Glu Phe Lys Glu  
100 105 110

Gly Lys Asp Glu Leu Ser Glu Gln Asp Glu Met Phe Arg Gly Arg Thr  
115 120 125

Ala Val Phe Ala Asp Gln Val Ile Val Gly Asn Ala Ser Leu Arg Leu  
130 135 140

Lys Asn Val Gln Leu Thr Asp Ala Gly Thr Tyr Lys Cys Tyr Ile Ile  
145 150 155 160

Thr Ser Lys Gly Lys Gly Asn Ala Asn Leu Glu Tyr Lys Thr Gly Ala  
165 170 175

Phe Ser Met Pro Glu Val Asn Val Asp Tyr Asn Ala Ser Ser Glu Thr  
180 185 190

Leu Arg Cys Glu Ala Pro Arg Trp Phe Pro Gln Pro Thr Val Val Trp  
195 200 205

Ala Ser Gln Val Asp Gln Gly Ala Asn Phe Ser Glu Val Ser Asn Thr  
210 215 220

Ser Phe Glu Leu Asn Ser Glu Asn Val Thr Met Lys Val Val Ser Val  
225 230 235 240

Leu Tyr Asn Val Thr Ile Asn Asn Thr Tyr Ser Cys Met Ile Glu Asn  
245 250 255

Asp Ile Ala Lys Ala Thr Gly Asp Ile Lys Val Thr Glu Ser Glu Ile

260                      265                      270  
 Lys Arg Arg Ser His Leu Gln Leu Leu Asn Ser Lys Ala Ser Leu Cys  
           275                      280                      285  
 Val Ser Ser Phe Phe Ala Ile Ser Trp Ala Leu Leu Pro Leu Ser Pro  
           290                      295                      300  
 Tyr Leu Met Leu Lys  
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<210> 393  
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                                   20                      25                      30  
 Gly Arg His Ser Ile Thr Val Thr Thr Val Ala Ser Ala Gly Asn Ile  
                                   35                      40                      45  
 Gly Glu Asp Gly Ile Leu Ser Cys Thr Phe Glu Pro Asp Ile Lys Leu  
                                   50                      55                      60  
 Ser Asp Ile Val Ile Gln Trp Leu Lys Glu Gly Val Leu Gly Leu Val  
                                   65                      70                      75                      80  
 His Glu Phe Lys Glu Gly Lys Asp Glu Leu Ser Glu Gln Asp Glu Met  
                                   85                      90                      95  
 Phe Arg Gly Arg Thr Ala Val Phe Ala Asp Gln Val Ile Val Gly Asn  
                                   100                      105                      110  
 Ala Ser Leu Arg Leu Lys Asn Val Gln Leu Thr Asp Ala Gly Thr Tyr  
                                   115                      120                      125  
 Lys Cys Tyr Ile Ile Thr Ser Lys Gly Lys Gly Asn Ala Asn Leu Glu  
                                   130                      135                      140  
 Tyr Lys Thr Gly Ala Phe Ser Met Pro Glu Val Asn Val Asp Tyr Asn  
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 Ala Ser Ser Glu Thr Leu Arg Cys Glu Ala Pro Arg Trp Phe Pro Gln  
                                   165                      170                      175  
 Pro Thr Val Val Trp Ala Ser Gln Val Asp Gln Gly Ala Asn Phe Ser  
                                   180                      185                      190  
 Glu Val Ser Asn Thr Ser Phe Glu Leu Asn Ser Glu Asn Val Thr Met  
                                   195                      200                      205

Lys Val Val Ser Val Leu Tyr Asn Val Thr Ile Asn Asn Thr Tyr Ser  
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Cys Met Ile Glu Asn Asp Ile Ala Lys Ala Thr Gly Asp Ile Lys Val  
 225 230 235 240

Thr Glu Ser Glu Ile Lys Arg Arg Ser His Leu Gln Leu Leu Asn Ser  
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Leu Pro Leu Ser Pro Tyr Leu Met Leu Lys  
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<213> Homo sapiens

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<210> 396

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<212> PRT

<213> Homo sapiens

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<211> 20

<212> PRT

<213> Homo sapiens

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Gly Asn Ile Gly Glu Asp Gly Ile Leu Ser Cys Thr Phe Glu Pro Asp  
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<210> 398  
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 Ala Ser Gln Val  
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<210> 406  
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 Thr Ser Phe Glu  
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 Ser Val Leu Tyr  
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<210> 408  
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<212> PRT  
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 Ile Glu Asn Asp  
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 Glu Ser Glu Ile  
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<210> 410  
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<210> 411  
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 Leu Leu Pro Leu  
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<400> 412  
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 Leu Met Leu Lys  
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<210> 413  
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Lys Leu Ser
           35

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&lt;210&gt; 414

&lt;211&gt; 35

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 414

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Val Leu Gly Leu Val His Glu Phe Lys Glu Gly Lys Asp Glu Leu Ser
 1           5           10           15
Glu Gln Asp Glu Met Phe Arg Gly Arg Thr Ala Val Phe Ala Asp Gln
           20           25           30
Val Ile Val
           35

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&lt;210&gt; 415

&lt;211&gt; 65

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 415

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Lys Gly Lys Gly Asn Ala Asn Leu Glu Tyr Lys Thr Gly Ala Phe Ser
 1           5           10           15
Met Pro Glu Val Asn Val Asp Tyr Asn Ala Ser Ser Glu Thr Leu Arg
           20           25           30
Cys Glu Ala Pro Arg Trp Phe Pro Gln Pro Thr Val Val Trp Ala Ser
           35           40           45
Gln Val Asp Gln Gly Ala Asn Phe Ser Glu Val Ser Asn Thr Ser Phe
           50           55           60
Glu
65

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&lt;210&gt; 416

&lt;211&gt; 10

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 416

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Lys Leu Ser Asp Ile Val Ile Gln Trp Leu
 1           5           10

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&lt;210&gt; 417

&lt;211&gt; 10

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 417

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 1           5           10

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<210> 419  
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 <212> PRT  
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Lys Thr Gly Ala Phe Ser Met Pro Glu Val  
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<213> Homo sapiens

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<210> 426

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Ile Ile Leu Ala Gly Ala Ile Ala Leu Ile  
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Gln Leu Thr Asp Ala Gly Thr Tyr Lys Cys  
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Ala Leu Leu Pro Leu Ser Pro Tyr Leu Met  
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Thr Met His Leu Ala Thr Ser Arg Thr Pro Ala Ser Leu Ser Gly Pro
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Thr Thr Ala Ser Pro Leu Leu Val Leu Phe Thr Ile Asn Phe Thr Ile
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Gly Thr Ser Gly Thr Pro Val Ser Lys Pro Gly Pro Ser Ala Ala Ser  
 260 265 270  
 Pro Leu Leu Val Leu Phe Thr Leu Asn Phe Thr Ile Thr Asn Leu Arg  
 275 280 285  
 Tyr Glu Glu Asn Met Gln His Pro Gly Ser Arg Lys Phe Asn Thr Thr  
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 Glu Arg Val Leu Gln Gly Leu Leu Arg Ser Leu Phe Lys Ser Thr Ser  
 305 310 315 320  
 Val Gly Pro Leu Tyr Ser Gly Cys Arg Leu Thr Leu Leu Arg Pro Glu  
 325 330 335  
 Lys Asp Gly Thr Ala Thr Gly Val Asp Ala Ile Cys Thr His His Pro  
 340 345 350  
 Asp Pro Lys Ser Pro Arg Leu Asp Arg Glu Gln Leu Tyr Trp Glu Leu  
 355 360 365  
 Ser Gln Leu Thr His Asn Ile Thr Glu Leu Gly His Tyr Ala Leu Asp  
 370 375 380  
 Asn Asp Ser Leu Phe Val Asn Gly Phe Thr His Arg Ser Ser Val Ser  
 385 390 395 400  
 Thr Thr Ser Thr Pro Gly Thr Pro Thr Val Tyr Leu Gly Ala Ser Lys  
 405 410 415  
 Thr Pro Ala Ser Ile Phe Gly Pro Ser Ala Ala Ser His Leu Leu Ile  
 420 425 430  
 Leu Phe Thr Leu Asn Phe Thr Ile Thr Asn Leu Arg Tyr Glu Glu Asn  
 435 440 445  
 Met Trp Pro Gly Ser Arg Lys Phe Asn Thr Thr Glu Arg Val Leu Gln  
 450 455 460  
 Gly Leu Leu Arg Pro Leu Phe Lys Asn Thr Ser Val Gly Pro Leu Tyr  
 465 470 475 480  
 Ser Gly Ser Arg Leu Thr Leu Leu Arg Pro Glu Lys Asp Gly Glu Ala  
 485 490 495  
 Thr Gly Val Asp Ala Ile Cys Thr His Arg Pro Asp Pro Thr Gly Pro  
 500 505 510  
 Gly Leu Asp Arg Glu Gln Leu Tyr Leu Glu Leu Ser Gln Leu Thr His  
 515 520 525  
 Ser Ile Thr Glu Leu Gly Pro Tyr Thr Leu Asp Arg Asp Ser Leu Tyr  
 530 535 540  
 Val Asn Gly Phe Thr His Arg Ser Ser Val Pro Thr Thr Ser Thr Gly  
 545 550 555 560  
 Val Val Ser Glu Glu Pro Phe Thr Leu Asn Phe Thr Ile Asn Asn Leu  
 565 570 575  
 Arg Tyr Met Ala Asp Met Gly Gln Pro Gly Ser Leu Lys Phe Asn Ile  
 580 585 590  
 Thr Asp Asn Val Met Lys His Leu Leu Ser Pro Leu Phe Gln Arg Ser  
 595 600 605  
 Ser Leu Gly Ala Arg Tyr Thr Gly Cys Arg Val Ile Ala Leu Arg Ser  
 610 615 620  
 Val Lys Asn Gly Ala Glu Thr Arg Val Asp Leu Leu Cys Thr Tyr Leu  
 625 630 635 640  
 Gln Pro Leu Ser Gly Pro Gly Leu Pro Ile Lys Gln Val Phe His Glu  
 645 650 655  
 Leu Ser Gln Gln Thr His Gly Ile Thr Arg Leu Gly Pro Tyr Ser Leu  
 660 665 670  
 Asp Lys Asp Ser Leu Tyr Leu Asn Gly Tyr Asn Glu Pro Gly Leu Asp  
 675 680 685  
 Glu Pro Pro Thr Thr Pro Lys Pro Ala Thr Thr Phe Leu Pro Pro Leu  
 690 695 700  
 Ser Glu Ala Thr Thr Ala Met Gly Tyr His Leu Lys Thr Leu Thr Leu

705						710										720
Asn	Phe	Thr	Ile	Ser	Asn	Leu	Gln	Tyr	Ser	Pro	Asp	Met	Gly	Lys	Gly	
				725					730					735		
Ser	Ala	Thr	Phe	Asn	Ser	Thr	Glu	Gly	Val	Leu	Gln	His	Leu	Leu	Arg	
			740					745					750			
Pro	Leu	Phe	Gln	Lys	Ser	Ser	Met	Gly	Pro	Phe	Tyr	Leu	Gly	Cys	Gln	
			755				760					765				
Leu	Ile	Ser	Leu	Arg	Pro	Glu	Lys	Asp	Gly	Ala	Ala	Thr	Gly	Val	Asp	
	770					775					780					
Thr	Thr	Cys	Thr	Tyr	His	Pro	Asp	Pro	Val	Gly	Pro	Gly	Leu	Asp	Ile	
785					790					795					800	
Gln	Gln	Leu	Tyr	Trp	Glu	Leu	Ser	Gln	Leu	Thr	His	Gly	Val	Thr	Gln	
				805					810					815		
Leu	Gly	Phe	Tyr	Val	Leu	Asp	Arg	Asp	Ser	Leu	Phe	Ile	Asn	Gly	Tyr	
			820					825					830			
Ala	Pro	Gln	Asn	Leu	Ser	Ile	Arg	Gly	Glu	Tyr	Gln	Ile	Asn	Phe	His	
			835				840					845				
Ile	Val	Asn	Trp	Asn	Leu	Ser	Asn	Pro	Asp	Pro	Thr	Ser	Ser	Glu	Tyr	
	850					855					860					
Ile	Thr	Leu	Leu	Arg	Asp	Ile	Gln	Asp	Lys	Val	Thr	Thr	Leu	Tyr	Lys	
865					870					875					880	
Gly	Ser	Gln	Leu	His	Asp	Thr	Phe	Arg	Phe	Cys	Leu	Val	Thr	Asn	Leu	
				885					890					895		
Thr	Met	Asp	Ser	Val	Leu	Val	Thr	Val	Lys	Ala	Leu	Phe	Ser	Ser	Asn	
			900					905					910			
Leu	Asp	Pro	Ser	Leu	Val	Glu	Gln	Val	Phe	Leu	Asp	Lys	Thr	Leu	Asn	
			915				920					925				
Ala	Ser	Phe	His	Trp	Leu	Gly	Ser	Thr	Tyr	Gln	Leu	Val	Asp	Ile	His	
	930					935					940					
Val	Thr	Glu	Met	Glu	Ser	Ser	Val	Tyr	Gln	Pro	Thr	Ser	Ser	Ser	Ser	
945					950					955					960	
Thr	Gln	His	Phe	Tyr	Pro	Asn	Phe	Thr	Ile	Thr	Asn	Leu	Pro	Tyr	Ser	
				965					970					975		
Gln	Asp	Lys	Ala	Gln	Pro	Gly	Thr	Thr	Asn	Tyr	Gln	Arg	Asn	Lys	Arg	
			980					985					990			
Asn	Ile	Glu	Asp	Ala	Leu	Asn	Gln	Leu	Phe	Arg	Asn	Ser	Ser	Ile	Lys	
		995					1000					1005				
Ser	Tyr	Phe	Ser	Asp	Cys	Gln	Val	Ser	Thr	Phe	Arg	Ser	Val	Pro	Asn	
	1010					1015						1020				
Arg	His	His	Thr	Gly	Val	Asp	Ser	Leu	Cys	Asn	Phe	Ser	Pro	Leu	Ala	
1025					1030					1035					1040	
Arg	Arg	Val	Asp	Arg	Val	Ala	Ile	Tyr	Glu	Glu	Phe	Leu	Arg	Met	Thr	
				1045												

<210> 459  
 <211> 1156  
 <212> PRT  
 <213> Homo sapiens

<400> 459

Glu	Arg	Val	Leu	Gln	Gly	Leu	Leu	Met	Pro	Leu	Phe	Lys	Asn	Thr	Ser
				5					10					15	
Val	Ser	Ser	Leu	Tyr	Ser	Gly	Cys	Arg	Leu	Thr	Leu	Leu	Arg	Pro	Glu
			20					25					30		
Lys	Asp	Gly	Ala	Ala	Thr	Arg	Val	Asp	Ala	Val	Cys	Thr	His	Arg	Pro
		35					40				45				
Asp	Pro	Lys	Ser	Pro	Gly	Leu	Asp	Arg	Glu	Arg	Leu	Tyr	Trp	Lys	Leu
	50					55					60				
Ser	Gln	Leu	Thr	His	Gly	Ile	Thr	Glu	Leu	Gly	Pro	Tyr	Thr	Leu	Asp
	65				70					75					80
Arg	His	Ser	Leu	Tyr	Val	Asn	Gly	Phe	Thr	His	Gln	Ser	Ser	Met	Thr
			85					90						95	
Thr	Thr	Arg	Thr	Pro	Asp	Thr	Ser	Thr	Met	His	Leu	Ala	Thr	Ser	Arg
			100					105						110	
Thr	Pro	Ala	Ser	Leu	Ser	Gly	Pro	Thr	Thr	Ala	Ser	Pro	Leu	Leu	Val
		115					120						125		
Leu	Phe	Thr	Ile	Asn	Phe	Thr	Ile	Thr	Asn	Leu	Arg	Tyr	Glu	Glu	Asn
	130					135					140				
Met	His	His	Pro	Gly	Ser	Arg	Lys	Phe	Asn	Thr	Thr	Glu	Arg	Val	Leu
	145				150					155					160
Gln	Gly	Leu	Leu	Arg	Pro	Val	Phe	Lys	Asn	Thr	Ser	Val	Gly	Pro	Leu
				165					170					175	
Tyr	Ser	Gly	Cys	Arg	Leu	Thr	Leu	Leu	Arg	Pro	Lys	Lys	Asp	Gly	Ala
			180					185					190		
Ala	Thr	Lys	Val	Asp	Ala	Ile	Cys	Thr	Tyr	Arg	Pro	Asp	Pro	Lys	Ser
		195					200					205			
Pro	Gly	Leu	Asp	Arg	Glu	Gln	Leu	Tyr	Trp	Glu	Leu	Ser	Gln	Leu	Thr
		210				215					220				
His	Ser	Ile	Thr	Glu	Leu	Gly	Pro	Tyr	Thr	Leu	Asp	Arg	Asp	Ser	Leu
				225		230				235					240
Tyr	Val	Asn	Gly	Phe	Thr	Gln	Arg	Ser	Ser	Val	Pro	Thr	Thr	Ser	Ile
				245					250					255	
Pro	Gly	Thr	Pro	Thr	Val	Asp	Leu	Gly	Thr	Ser	Gly	Thr	Pro	Val	Ser
			260					265					270		
Lys	Pro	Gly	Pro	Ser	Ala	Ala	Ser	Pro	Leu	Leu	Val	Leu	Phe	Thr	Leu
		275					280					285			
Asn	Phe	Thr	Ile	Thr	Asn	Leu	Arg	Tyr	Glu	Glu	Asn	Met	Gln	His	Pro
		290				295					300				
Gly	Ser	Arg	Lys	Phe	Asn	Thr	Thr	Glu	Arg	Val	Leu	Gln	Gly	Leu	Leu
					310					315					320
Arg	Ser	Leu	Phe	Lys	Ser	Thr	Ser	Val	Gly	Pro	Leu	Tyr	Ser	Gly	Cys
				325					330					335	
Arg	Leu	Thr	Leu	Leu	Arg	Pro	Glu	Lys	Asp	Gly	Thr	Ala	Thr	Gly	Val
			340					345						350	
Asp	Ala	Ile	Cys	Thr	His	His	Pro	Asp	Pro	Lys	Ser	Pro	Arg	Leu	Asp
		355					360					365			
Arg	Glu	Gln	Leu	Tyr	Trp	Glu	Leu	Ser	Gln	Leu	Thr	His	Asn	Ile	Thr
		370				375					380				
Glu	Leu	Gly	His	Tyr	Ala	Leu	Asp	Asn	Asp	Ser	Leu	Phe	Val	Asn	Gly
					390					395					400
Phe	Thr	His	Arg	Ser	Ser	Val	Ser	Thr	Thr	Ser	Thr	Pro	Gly	Thr	Pro

405 410 415  
 Thr Val Tyr Leu Gly Ala Ser Lys Thr Pro Ala Ser Ile Phe Gly Pro  
 420 425 430  
 Ser Ala Ala Ser His Leu Leu Ile Leu Phe Thr Leu Asn Phe Thr Ile  
 435 440 445  
 Thr Asn Leu Arg Tyr Glu Glu Asn Met Trp Pro Gly Ser Arg Lys Phe  
 450 455 460  
 Asn Thr Thr Glu Arg Val Leu Gln Gly Leu Leu Arg Pro Leu Phe Lys  
 465 470 475 480  
 Asn Thr Ser Val Gly Pro Leu Tyr Ser Gly Ser Arg Leu Thr Leu Leu  
 485 490 495  
 Arg Pro Glu Lys Asp Gly Glu Ala Thr Gly Val Asp Ala Ile Cys Thr  
 500 505 510  
 His Arg Pro Asp Pro Thr Gly Pro Gly Leu Asp Arg Glu Gln Leu Tyr  
 515 520 525  
 Leu Glu Leu Ser Gln Leu Thr His Ser Ile Thr Glu Leu Gly Pro Tyr  
 530 535 540  
 Thr Leu Asp Arg Asp Ser Leu Tyr Val Asn Gly Phe Thr His Arg Ser  
 545 550 555 560  
 Ser Val Pro Thr Thr Ser Thr Gly Val Val Ser Glu Glu Pro Phe Thr  
 565 570 575  
 Leu Asn Phe Thr Ile Asn Asn Leu Arg Tyr Met Ala Asp Met Gly Gln  
 580 585 590  
 Pro Gly Ser Leu Lys Phe Asn Ile Thr Asp Asn Val Met Lys His Leu  
 595 600 605  
 Leu Ser Pro Leu Phe Gln Arg Ser Ser Leu Gly Ala Arg Tyr Thr Gly  
 610 615 620  
 Cys Arg Val Ile Ala Leu Arg Ser Val Lys Asn Gly Ala Glu Thr Arg  
 625 630 635 640  
 Val Asp Leu Leu Cys Thr Tyr Leu Gln Pro Leu Ser Gly Pro Gly Leu  
 645 650 655  
 Pro Ile Lys Gln Val Phe His Glu Leu Ser Gln Gln Thr His Gly Ile  
 660 665 670  
 Thr Arg Leu Gly Pro Tyr Ser Leu Asp Lys Asp Ser Leu Tyr Leu Asn  
 675 680 685  
 Gly Tyr Asn Glu Pro Gly Leu Asp Glu Pro Pro Thr Thr Pro Lys Pro  
 690 695 700  
 Ala Thr Thr Phe Leu Pro Pro Leu Ser Glu Ala Thr Thr Ala Met Gly  
 705 710 715 720  
 Tyr His Leu Lys Thr Leu Thr Leu Asn Phe Thr Ile Ser Asn Leu Gln  
 725 730 735  
 Tyr Ser Pro Asp Met Gly Lys Gly Ser Ala Thr Phe Asn Ser Thr Glu  
 740 745 750  
 Gly Val Leu Gln His Leu Leu Arg Pro Leu Phe Gln Lys Ser Ser Met  
 755 760 765  
 Gly Pro Phe Tyr Leu Gly Cys Gln Leu Ile Ser Leu Arg Pro Glu Lys  
 770 775 780  
 Asp Gly Ala Ala Thr Gly Val Asp Thr Thr Cys Thr Tyr His Pro Asp  
 785 790 795 800  
 Pro Val Gly Pro Gly Leu Asp Ile Gln Gln Leu Tyr Trp Glu Leu Ser  
 805 810 815  
 Gln Leu Thr His Gly Val Thr Gln Leu Gly Phe Tyr Val Leu Asp Arg  
 820 825 830  
 Asp Ser Leu Phe Ile Asn Gly Tyr Ala Pro Gln Asn Leu Ser Ile Arg  
 835 840 845  
 Gly Glu Tyr Gln Ile Asn Phe His Ile Val Asn Trp Asn Leu Ser Asn  
 850 855 860

Pro Asp Pro Thr Ser Ser Glu Tyr Ile Thr Leu Leu Arg Asp Ile Gln  
865 870 875 880  
Asp Lys Val Thr Thr Leu Tyr Lys Gly Ser Gln Leu His Asp Thr Phe  
885 890 895  
Arg Phe Cys Leu Val Thr Asn Leu Thr Met Asp Ser Val Leu Val Thr  
900 905 910  
Val Lys Ala Leu Phe Ser Ser Asn Leu Asp Pro Ser Leu Val Glu Gln  
915 920 925  
Val Phe Leu Asp Lys Thr Leu Asn Ala Ser Phe His Trp Leu Gly Ser  
930 935 940  
Thr Tyr Gln Leu Val Asp Ile His Val Thr Glu Met Glu Ser Ser Val  
945 950 955 960  
Tyr Gln Pro Thr Ser Ser Ser Ser Thr Gln His Phe Tyr Pro Asn Phe  
965 970 975  
Thr Ile Thr Asn Leu Pro Tyr Ser Gln Asp Lys Ala Gln Pro Gly Thr  
980 985 990  
Thr Asn Tyr Gln Arg Asn Lys Arg Asn Ile Glu Asp Ala Leu Asn Gln  
995 1000 1005  
Leu Phe Arg Asn Ser Ser Ile Lys Ser Tyr Phe Ser Asp Cys Gln Val  
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Ser Thr Phe Arg Ser Val Pro Asn Arg His His Thr Gly Val Asp Ser  
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Leu Cys Asn Phe Ser Pro Leu Ala Arg Arg Val Asp Arg Val Ala Ile  
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Tyr Glu Glu Phe Leu Arg Met Thr Arg Asn Gly Thr Gln Leu Gln Asn  
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Ile Phe Ile Gly Leu Ala Gly Leu Leu Gly Leu Ile Thr Cys Leu Ile  
1105 1110 1115 1120  
Cys Gly Val Leu Val Thr Thr Arg Arg Arg Lys Lys Glu Gly Glu Tyr  
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Glu Asp Leu Gln  
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&lt;210&gt; 460

&lt;211&gt; 79

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 460

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Asn Leu Val Pro Arg Leu Pro Ala Leu Ser Trp Cys Tyr Ser Leu Ser  
35 40 45  
Thr Ser Pro Ser Pro Thr Cys Gly Met Arg Arg Thr Cys Ser Thr Leu  
50 55 60  
Ala Pro Gly Ser Ser Thr Pro Arg Arg Gly Ser Phe Arg Ala Trp  
65 70 75

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